

Annual Network Plan for Ambient Air Monitoring

5-Year Network Assessment Plan

Imperial County

June 2010

Prepared by the

Imperial County Air Pollution Control District

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I Introduction

The Imperial County Air Pollution Control District (ICAPCD) Annual Network Plan for Ambient Air Monitoring is an annual evaluation of the ICAPCD's network of air pollution monitoring sites. The annual review of our State and Local Air Monitoring Stations (SLAMS) network is required by Title 40, Code of Federal Regulations, Part 58.10 (40 CFR 58.10). Information is provided for all ambient air pollution monitoring which occurred in Imperial County, including two (2) sites operated by the California Air Resources Board (ARB). Data for the ARB sites was obtained directly from the agency and is accurate to the best of our knowledge.

This review is used to determine if the State and Local Air Monitoring Station (SLAMS) network in Imperial County meets the U.S. Environmental Protection Agency (EPA) criteria for station siting based on the EPA monitoring objectives. This network review ensures that the data collected by the SLAMS air monitoring network in Imperial County is representative and will satisfy the data needs of EPA, the California Air Resources Board (CARB), and the Imperial County Air Pollution Control District.

As required by the regulations, this report includes monitors which are federal reference methods (FRM) or federal equivalent methods (FEM). While the CFR requires reporting of approved regional methods (ARM), no ARMs are in operation in Imperial County as of this time.

This report is a directory of existing and proposed modifications to the monitoring stations in the ICAPCD's network of SLAMS and includes recommendations and progress reports. New changes to the Code of Federal Regulations require specific detailed monitoring network information to be included in this report along with a 30 day public review period prior to submittal of the report to USEPA.

Starting in 2010, USEPA requires that all state and local monitoring agencies conduct a monitoring network assessment once every five years (40 CFR 58.10(e)). It includes re-evaluation of the objectives and budget for air monitoring; evaluation of the networks effectiveness and efficiency relative to its objectives and costs; and development of recommendations for network reconfigurations and improvements. It also includes consideration of non-technical factors, such as political or justice-related issues; subjective situational analysis, cost considerations, and sensitive populations, to name a few.

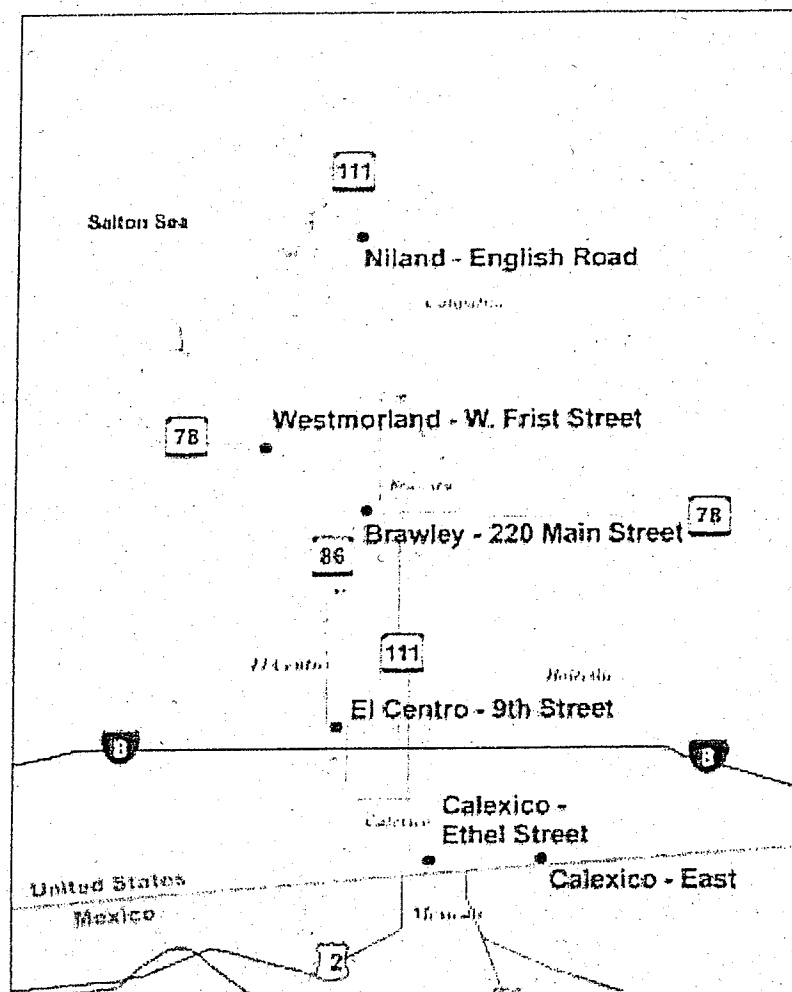


Figure 1. Map of Ambient Air Monitoring Stations in Imperial County

II Overview of Network

II.1 Air Monitoring Network Design - Monitoring Objectives and Spatial Scales

The ambient air monitoring network in Imperial County consists of SLAMS operated by the ICAPCD and California Air Resources Board (ARB). The monitoring network is designed to cover the meteorology, topography, emissions and air quality in Imperial County, and at the same time, to adequately represent the population in Imperial County.

This network review is used to determine if the monitoring system meets the monitoring objectives defined in 40 CFR 58, Appendix D. The three basic monitoring objectives as described in Appendix D are:

1. Provide air pollution data to the general public in a timely manner.

Air quality information is posted daily via Internet site at www.imperialvalleyair.org ; www.airnow.gov ; www.arb.ca.gov/aqmis2/aqinfo.php

2. Support compliance with ambient air quality standards and emission strategy development.

The Imperial County Air Pollution Control District currently is finalizing State Implementation Plans (SIP) for Particulate Matter and Ozone.

3. Support for air pollution research studies.

The Imperial County Air Pollution Control District is collaborating with other State and Federal Agencies in a research study for the development of the Salton Sea Restoration Project, which includes the installation of an ambient air monitoring network in that specific area.

There are 6 ambient air monitoring stations located in Imperial County, which is part of the Salton Sea Air Basin. The map in Figure 1 shows the location of each site. These sites are operated for different objectives and are sited to measure the typical concentrations in areas for high population density or to monitor the impacts of regional air pollution. Two of these sites (Calexico Ethel Street and Calexico East) are operated by ARB. The other four SLAMS sites (El Centro, Brawley, Westmorland, Niland) are operated by ICAPCD.

II.2 Monitors

All of the monitoring sites in Imperial County serve multi-purposes. Ambient concentration data is collected for a wide variety of pollutants. The most important of these in the Imperial County, which is part of the Salton Sea Air Basin, are Ozone (O₃), and fine particulate matter of a size of 10 micrometers or less (PM₁₀). Other pollutants measured include oxides of nitrogen (NO_x), particulate matter of a size of 2.5 micrometers or less (PM_{2.5}), carbon monoxide (CO), and sulfur dioxide (SO₂). Monitoring for meteorological parameters such as temperature, wind direction, atmospheric pressure, and wind speed, are also conducted at most monitoring stations. Data for all of the pollutants is needed to better understand the nature of the ambient air quality problems in Imperial County, as well as to inform the public regarding where the air quality is poor and where it is meeting the ambient air quality standards.

Not all pollutants are monitored at all sites. Most sites monitor for multiple pollutants, while some sites monitor only a couple of pollutants. A particular site's location and monitor purpose determine the actual pollutants measured at that site.

The goal in designing a SLAMS network is to establish monitoring stations that will provide data to meet these monitoring objectives. The physical siting of the air monitoring station must achieve a spatial scale of representativeness that is consistent with the monitoring objectives. The spatial scale results from the physical location of the site with respect to the pollutant sources and categories. It estimates the size of the area surrounding the monitoring site that experiences uniform pollutant concentrations. The categories of spatial scale are:

- Microscale - An area of uniform pollutant concentrations ranging from several meters up to 100 meters.
- Middle Scale - Uniform pollutant concentrations in an area of about 110 meters to 0.5 kilometers.
- Neighborhood Scale - An area with dimensions in the 0.5 to 4 kilometers range.
- Urban Scale - Citywide pollutant conditions with dimensions from 4 to 50 kilometers.
- Regional Scale - An entire rural area of the same general geography (this area ranges from tens to hundreds of kilometers).

Table 2. Relationship Among Monitoring Objectives and Scale of Representativeness.

Monitoring Objective	Appropriate Spatial Scale
Highest Concentration	Micro, middle, neighborhood and sometimes urban.
Population	Neighborhood, urban
Source Impact	Micro, middle, neighborhood
General/Background	Neighborhood, urban, regional
Regional Transport	Urban, regional
Welfare-related Impacts	Urban, regional

III Monitoring Requirements

EPA regulations specify the minimum number of sites at which state and local air agencies must deploy monitors. Imperial County meets or exceeds EPA's minimum requirements, but in overall practice, state and local agencies typically operate more monitors than required by law. The additional monitors are needed to fulfill state and local purposes for monitoring that are additional to federal purposes. California air quality standards are more stringent than federal standards and require more ambient air monitoring to show compliance with the state standards. Monitors are also used to keep the public informed of the actual air quality conditions where they live and work.

The requirements for the number of monitors in Imperial County appear in CFR, Part 58, Appendix D. For purposes of the minimum requirements, the areas are defined by the metropolitan statistical areas (MSAs) developed by the U.S. Census Bureau. Imperial County is part of the El Centro MSA. It covers the major cities in our county and has a population count of 142,361 based on the 2000 U.S. Census, however, currently the U.S. Census Bureau has an estimated population as of July 01, 2009 of 166,874.

For ozone, PM_{2.5} and PM₁₀, the required minimum number is based on the population of an area and the severity of the air quality for the pollutant in the area. For other pollutants, no monitoring is required unless an area exceeds or is close to exceeding a federal ambient air quality standard.

A brief description of the network for each criteria pollutant monitored is provided below:

III.1 Ozone (O₃)

The minimum monitoring requirements for ozone are listed in Table 3.1. Imperial County has 5 ozone monitors which meet the requirements of EPA. All ambient air monitoring stations in the county monitor continuously for ozone. The SLAMS network in Imperial County features ozone monitors located in El Centro, Westmorland, and Niland, operated by ICAPCD; and Calexico Ethel and Calexico East, operated by ARB. Brawley site monitored ozone until early 2008 when the monitor was removed by ICAPCD. Westmoreland and El Centro are the highest concentration sites in the monitoring network with an 8 hour design value of 0.082 ppm (2006-2008 data). Imperial County is classified by EPA as moderate non-attainment for Ozone. On December 03, 2009 USEPA issued a final ruling determining that the Imperial County "Moderate" 8-hour ozone non-attainment area attained the 1997 8-hour NAAQS. The determination by USEPA was based upon complete, quality-assured and certified ambient air monitoring data for the years 2006 thru 2008. The high ozone levels tend to occur in the south areas of the county during summer, but El Centro and Westmorland also experience high ozone levels. All sites are used to keep the public informed of air quality. The data is used in Air Quality Index (AQI) reporting and air quality mapping.

Table 3.1

Minimum Monitoring Requirements for Ozone

MSA	County	Population (year 2000)	8-hr design value (years)	Min # of monitors required	Number of active monitors	Monitors needed
20940 El Centro	Imperial	142,361	.082 ppm 2006-2008	1	5	0

III.2 Carbon Monoxide (CO)

There are no EPA minimum requirements for the number of CO monitoring sites. Continued operation of existing SLAMS CO sites is required until discontinuation is approved by the EPA Regional Administrator. There are three SLAMS CO monitors operating in the monitoring network. (El Centro, Calexico Ethel, and Calexico East). Calexico East is the highest concentration site in the monitoring network with an 8 hour design value of 7.4 ppm (2004-2007 data)

Table 3.2

Minimum Monitoring Requirements for Carbon Monoxide.

MSA	County	Population (year 2000)	8-hr design value (years)	Min # of monitors required	Number of active monitors	Monitors needed
20940 El Centro	Imperial	142,361	7.4 ppm 2004-2007	0	3	0

III.3 Nitrogen Dioxide (NO₂)

There are no EPA minimum requirements for the number of NO₂ monitoring sites. Continued operation of existing SLAMS NO₂ sites is required until discontinuation is approved by the EPA Regional Administrator. There are three SLAMS NO₂ monitors operating in the monitoring network (El Centro, Calexico Ethel, and Calexico East). Calexico Ethel is the highest concentration site in the monitoring network with an 8 hour design value of 0.0145 ppm (2005-2007 data).

Table 3.3

Minimum Monitoring Requirements for Nitrogen Dioxide.

MSA	County	Population (year 2000)	8-hr design value (years)	Min # of monitors required	Number of active monitors	Monitors needed
20940 El Centro	Imperial	142,361	0.0145 ppm 2005-2007	0	3	0

III.4 Sulfur Dioxide (SO₂)

There are no EPA minimum requirements for the number of SO₂ monitoring sites. Continued operation of existing SLAMS SO₂ sites is required until discontinuation is approved by the EPA Regional Administrator. There is one SLAMS SO₂ monitor operating in the monitoring network (Calexico Ethel).

Table 3.4

Minimum Monitoring Requirements for Sulfur Dioxide.

MSA	County	Population (year 2000)	Min # of monitors required	Number of active monitors	Monitors needed
208940 El Centro	Imperial	142,361	0	1	0

III.5 Particulate Matter (PM₁₀)

The minimum monitoring requirements for PM₁₀ are listed on Table 3.5. Size selective inlet high volume samplers are operated at 5 sites (Niland, Westmorland, Brawley, El Centro, and Calexico Ethel) to meet the requirements for PM₁₀ sampling. At 2 of the sampling sites, PM₁₀ continuous analyzers are also operated (Niland, Brawley). These real-time devices are capable of making hourly particulate concentration measurements. Real time monitors are clustered in high concentration areas and in downwind areas of the Salton Sea Air Basin. Imperial County is classified by EPA as non-attainment for PM₁₀. All PM₁₀ monitors operate on a one day in six day schedule. Calexico East and Westmorland register the highest concentrations in the monitoring network.

Table.3.5

Minimum Monitoring Requirements for Particulate Matter (PM₁₀).

MSA	County	Population (year 2000)	Min # of monitors required	Number of active monitors	Monitors needed
20940 El Centro	Imperial	142,361	1-2	5	0

III.6 Particulate Matter (PM2.5)

The minimum requirements for PM2.5 are listed on Table 3.6, and the required monitoring stations or sites must be sited to represent community-wide air quality from both mobile and stationary sources, and these monitoring stations shall typically be at neighborhood or urban-scale. FRM approved monitors operate at 3 sites (Brawley, El Centro, and Calexico Ethel). In addition, there are 2 real-time PM2.5 monitors operating in the monitoring network (Calexico Ethel, and Calexico East). Calexico East registers the highest concentrations in the monitoring network.

Table 3.6

Minimum Monitoring Requirements for Particulate Matter (PM2.5)

MSA	County	Population (year 2000)	Min # of monitors required	Number of active monitors	Monitors needed
20940 El Centro	Imperial	142,361	1	3	0

III.6.1 PM2.5 Additional Information

This section includes information for a couple of elements required to be in the annual network plan that relate specifically to PM2.5. One required element relates to whether data for a PM2.5 monitor can be used to determine compliance with the national annual PM2.5 air quality standard. In the CFR, it is stated as the suitability for comparison to the annual standard. The other element requires information regarding the review process followed by air agencies when changes are made to the location of a PM2.5 monitor that is violating a PM2.5 National Ambient Air Quality Standard.

III.6.2 Comparison to annual PM2.5 NAAQS

The CFR requires that only data from a PM2.5 FRM or FEM be used in regulatory determinations of compliance with the annual PM2.5 NAAQS and that the monitor be located at a neighborhood scale. For a PM2.5 monitor to be representative at a neighborhood scale, the concentration values measured by the monitor should be representative of concentrations expected over an area with dimensions of a few kilometers. Therefore, the monitor shall not be located too close to a hot spot of PM2.5 concentrations that extends over distances less than a few hundred meters. The 3 PM2.5 FRM monitors in Imperial County are sited to be representative of a neighborhood scale and meet this siting requirement.

III.6.3 Review of changes to PM2.5 monitoring network

The PM2.5 network of FRM monitors in California was largely established in 1999. There are 3 monitors located in Imperial County as part of this larger network in California. CARB and ICAPCD located this monitors. CARB operates 1 monitor at Calexico Ethel, and the ICAPCD operates 2 monitors (Brawley and El Centro). In addition, CARB operates two BAM2.5 units at Calexico East and Calexico Ethel. CARB and ICAPCD will discuss any proposed changes or modifications to the PM2.5 monitoring network in Imperial County prior to any formal changes being made.

III.7 Recent or proposed modifications to Network

Calexico East

The California Air Resources Board is evaluating shutting down the complete monitoring site and has started the process.

Calexico Ethel

The California Air Resources Board is evaluating relocating Calexico Ethel complete monitoring site to a different location within the City of Calexico. The proposed relocation is to be within a 1 mile perimeter from the current location.

Salton Sea Air Monitoring Network

The ICAPCD is working closely with other state and federal agencies and has established an ambient air monitoring station network around the Salton Sea for the proposed Salton Sea restoration project.

The Imperial Irrigation District (IID) Water Conservation and Transfer Project (Project) is a long-term water conservation project, up to 75 years, implemented by IID to conserve up to 300 thousand acre-feet per year of Colorado River water for the purpose of transferring the conserved water to the San Diego County Water Authority (SDCWA), Coachella Valley Water District (CVWD), and/or Metropolitan Water District of Southern California (MWD). The Project also includes the implementation of a Habitat Conservation Plan (HCP) which mitigates or avoids certain effects of the Project. Specifically, the HCP addresses the impacts to species and habitats within the IID water service area, the right-of-way of the All American Canal and the Salton Sea. The Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the HCP identified potential significant impacts on air quality, specifically dust emissions by the shoreline sediments exposed by lowered water levels in the Salton Sea.

The ICAPCD is very concerned that reduced water levels will expose additional playa at the Salton Sea creating a potential to produce significant dust emissions. In order to address the potentially significant impact, a phased approach was identified in the EIR/EIS for the HCP which included a 4-step plan. Part of that 4-step plan is the implementation of a meteorological data collection, Particulate Matter of less than 10 microns (PM_{10}), and toxic air contaminant monitoring program. The goals of the monitoring program are three fold. They include the observation of incremental increases in toxic air contaminant concentrations, observation of PM_{10} issues and a basis for mitigation efforts. However, any meaningful observations will require comparison to a baseline. In order to establish a baseline the monitoring program must be established prior to any implementation of the Project and must continue through the implementation process.

In order to establish baseline air quality conditions at the Salton Sea, air quality and meteorological data has been collected starting in early 2010 via a network of stations surrounding the sea. As specified by the EIR/EIS six monitoring stations, collectively

known as the Salton Sea Air Quality Monitoring Network (SSAQMN), have been located around the Salton Sea shore at sites near existing communities, significant emission sources or sensitive receptor areas. Each station within the SSAQMN has a functional Thermo Fischer Scientific tapered element oscillating microbalance (TEOM) Series 1405-D instrument and up to seven (7) types of meteorological instruments designed to complement the TEOM series 1045-D. The SSAQMN will be operate as Special Purpose Monitors (SPM) for a period of five years, commencing early 2010 for the sole purpose of assessing baseline air quality conditions.

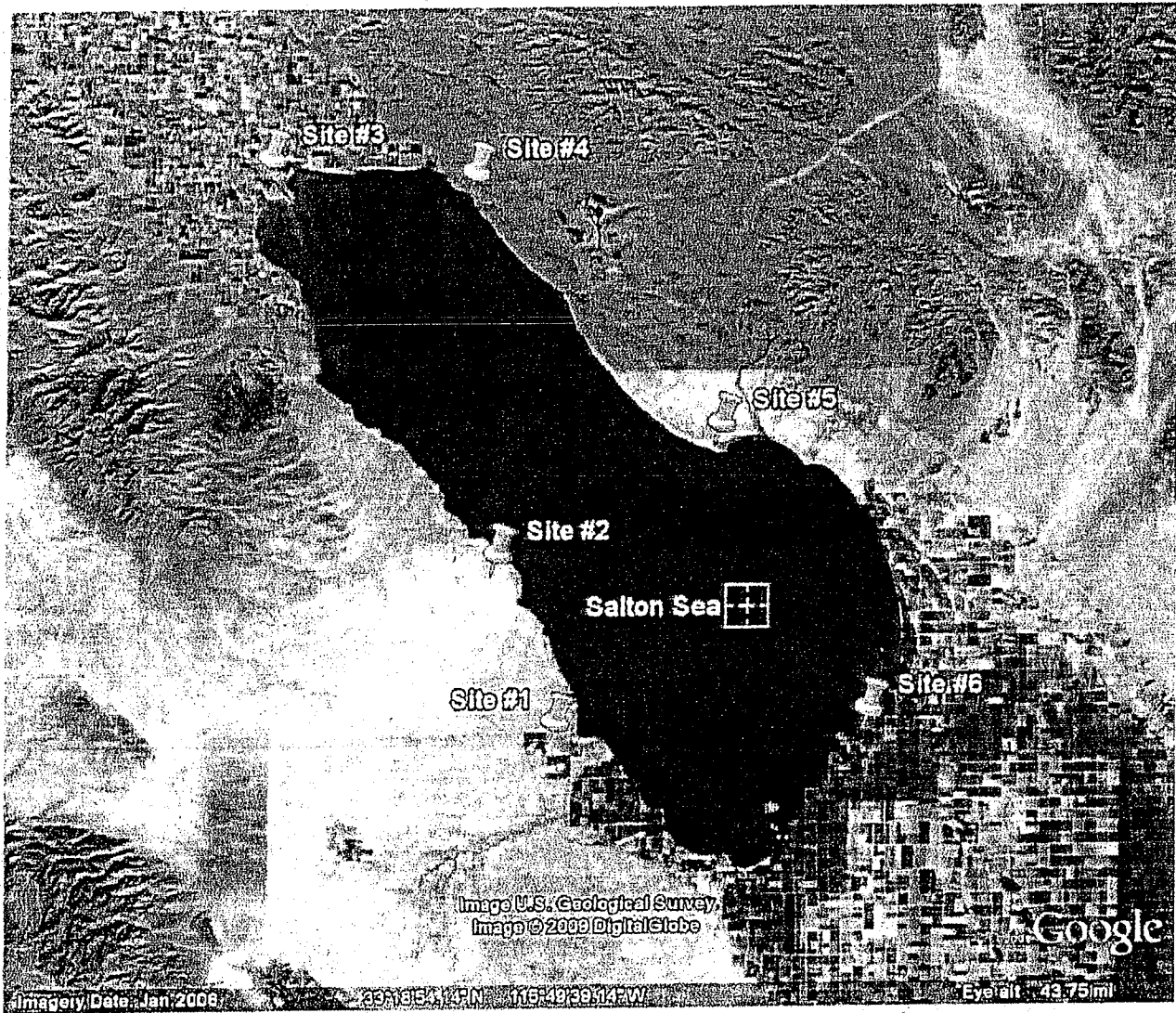


Figure 2. Map of the Salton Sea Air Quality Monitoring Network Sites

IV Quality Assurance

IV.1 Quality Assurance and Data Submittal

All data collected from the monitors in the Imperial County monitoring network is first reviewed by the Imperial County, then forwarded for quality assurance to CARB to be reviewed and processed. PM_{2.5} FRM filter data, is first submitted to San Diego County APCD, for review and analysis, and the information is forwarded to CARB and back to Imperial County.

IV.2 Data Submittal

Digital records of the data including precision and accuracy data are submitted to EPA by uploading the records to their air quality system data base (AQS). These records are submitted within 90 days following the end of each quarterly reporting period.

IV.3 Annual Certification

Federal regulations require air monitoring organizations to submit precision and accuracy data for the data reported to federal and state databases. ICAPCD air monitoring precision data are submitted to USEPA AIRS/AQS database. Accuracy data are reported to the USEPA by ARB. The data is certified for accuracy and completeness on an annual basis.

V Ambient Air Monitoring Network in Imperial County

Figure 1 shows a map of current operating ambient air monitoring stations in Imperial County, and Figure 2 shows a map of the new Salton Sea Air Quality Monitoring Network Sites. Table 5.1 lists the location of the Imperial County Air Quality Monitoring Sites and Table 5.2 lists the location of the Salton Sea Air Quality Monitoring Sites. Table 5.3 lists the Imperial County Monitoring Network sites and the pollutants and other parameters which are monitored at each location, Table 5.4 Monitoring Sites in Salton Sea Monitoring Network with pollutants and parameter monitored, and Table 5.5 lists the criteria pollutant spatial scale and monitoring objective. All of the monitors operating in Imperial County are part of the SLAMS network. Ozone monitors were part of a Special Purpose (SPM) monitors, as stated in 40CFR 58.20, but the ICAPCD is working with CARB to have them designated as part of the SLAMS.

There are currently six (6) permanent ambient air monitoring stations in Imperial County. Five (4) of these stations are operated by the ICAPCD as part of the SLAMS network. Two (2) additional stations are operated by ARB as part of their SLAMS network, both in Calexico, CA.

In addition, in early 2010, the District started the operation and maintenance of the Salton Sea Air Quality Monitoring Network, consisting of six (6) Special Purpose Monitors (SPM) for a period of five years, for the sole purpose of assessing baseline air quality conditions.

The tables in this section give detailed information relating to the sites and monitors. They are presented to show compliance with the monitoring requirements found in 40 CFR58.10.

Table 5.1 Ambient Air Quality Monitoring sites in Imperial County

Location	Address	ARB No.	AIRS No.	Latitude	Longitude
Niland	7711 English Road, Niland, CA 92257	13997	060254004	33°12'49"	115°32'43"
Westmorland	570 Cook St., Westmorland, CA 92281	13697	060254003	33°01'57"	115°37'25"
Brawley	220 Main St., Brawley, CA 92227	13701	060250007	32°58'42"	115°32'21"
El Centro	150 S. 9 th St., El Centro, CA 92243	13694	060251003	32°47'32"	115°33'47"
Calexico Ethel	1029 Belcher St., Calexico, CA 922231	13698	060250005	32°40'34"	115°28'59"
Calexico East	1699 Carr Rd., Calexico, CA 92231	13700	060250006	32°40'27"	115°23'28"

Table 5.2 Salton Sea Ambient Air Quality Monitoring Sites

Location /Site#	Address	ARB No.	AIRS No.	Latitude	Longitude
1. Naval Test Base	N/A	13603	None	33°10'10"	115°51'21"
2. Salton City	N/A, Salton City, CA 92275	13604	None	33°16'21"	115°54'02"
3. Torres-Martinez	Lincoln Ave. & 73 rd St., Mecca, CA 92254	33601	None	33°31'06"	116°04'31"
4. Salton Sea State Park	100-225 State Park Rd., North Shore, CA 92254	33602	None	33°30'32"	115°55'11"
5. Bombay Beach	A St. & 3 rd St., Bombay Beach, CA 92257	13601	None	33°21'09"	115°44'04"
6. Sonny Bono	906 W. Sinclair Rd., Calipatria, CA 92233	13602	None	33°10'35"	115°37'23"

Table 5.3 Monitoring Sites in Imperial County with Pollutants and Parameter Monitored

Location	Pollutants Monitored	Parameters Monitored
Niland	O3, PM10	OT, RH, WD, HWS, BP
Westmoreland	O3, PM10	OT, RH, WD, HWS, BP
Brawley	PM10, PM2.5	OT, BP
El Centro	CO, NO2, O3, PM10, PM2.5	OT, WD, HWS, BP
Calexico Ethel	CO, SO2, NO2, PM10, PM2.5	OT, RH, WD, HWS, BP, SR
Calexico East	CO, NO2, O3, PM2.5	OT, WD, HWS

Pollutants

O3- Ozone
 PM10- Particulate Matter <10 microns
 PM2.5- Particulate Matter <2.5 microns
 NO2- Nitrogen Dioxide
 CO- Carbon Monoxide
 SO2- Sulfur Dioxide

Parameters

OT- Outside Temperature
 RH- Relative Humidity
 WD- Wind Direction
 HWS- Horizontal Wind Speed
 BP- Barometric Pressure
 SR- Solar Radiation

Table 5.4 Monitoring Sites in Salton Sea Monitoring Network with Pollutants and Parameter Monitored

Location	Pollutants Monitored	Parameters Monitored
Naval Test Base	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR
Salton City	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR
Torres-Martinez	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR
Salton Sea State Park	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR
Bombay Beach	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR
Sonny Bono	PM10, PM2.5, PMc	OT, RH, WD, HWS, BP, SR

Pollutants

PM10- Particulate Matter <10 microns
PM2.5- Particulate Matter <2.5 microns
PMc Particulate Matter Coarse

Parameters

OT- Outside Temperature
RH- Relative Humidity
WD- Wind Direction
HWS- Horizontal Wind Speed
BP- Barometric Pressure
SR- Solar Radiation

Table 5.5 Criteria Pollutant Spatial Scale and Monitoring Objective for Imperial County Ambient Monitoring Stations

Location	CO	NO2	SO2	O3	PM10	PM2.5
Niland				NS/RC	NS/RC	
Westmorland				RS/HC	RS/HC	
Brawley					NS/RC	NS/RC
El Centro	NS/RC	NS/RC		NS/RC	NS/RC	NS/RC
Calexico Ethel	NS/RC	NS/HC	NS/RC	US/RC	US/RC	NS/RC
Calexico East	MS/HC	MS/RC		MS/RC	MS/HC	MS/HC

Spatial Scale

MS- Middle Scale
 NS- Neighborhood Scale
 US- Urban Scale

Monitoring Objective

HC- High Concentrations
 RC- Representative Concentrations

Table 5.6 Criteria Pollutant Spatial Scale and Monitoring Objective for Salton Sea Air Quality Monitoring Network Sites

Location	PM10	PM2.5	PMc
Naval Test Base	NS/RC	NS/RC	NS/RC
Salton City	NS/RC	NS/RC	NS/RC
Torres-Martinez	NS/RC	NS/RC	NS/RC
Salton Sea Park	NS/RC	NS/RC	NS/RC
Bombay Beach	NS/RC	NS/RC	NS/RC
Sonny Bono	NS/RC	NS/RC	NS/RC

Spatial Scale

NS- Neighborhood Scale

Monitoring Objective

RC- Representative Concentrations

VI Detailed Site Information

The tables in this section give detailed site information the reporting of which is required by federal regulation under 40 CFR 5810.

Site Survey Report

Siting Information

Site Name: Niland-English Road	Audit Date: 2010-01-27	ARB Number: 13997	AIRS Number: 060254004
Address: 7711 English Road Niland, CA 92257	Latitude: 33° 12' 49"	Longitude: 115° 32' 43"	Elevation (m): -54
	Auditors: Patrick Rainey Mark Copple	Site Technician: Mike Green	Site Phone:
Operating Agency: Imperial County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Remote Distance: 20 meters Count (Veh/Day): 50	Topography Site: Level Region: valley	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
		Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 350 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: Agriculture Distance: 50 meters Direction: 360
Approved: Yes Agency: Imperial County APCD Urbanization: Rural Ground Cover: Dirt	Manifold Clean: N/A		
	Cleaning Schedule: As Needed		
	Autocalibrator Type: API 400A IZS		
	Site Survey Complete: Yes		
			Logbook Up To Date: Yes

Action Items

Comments

Site Survey Report (Cont.)

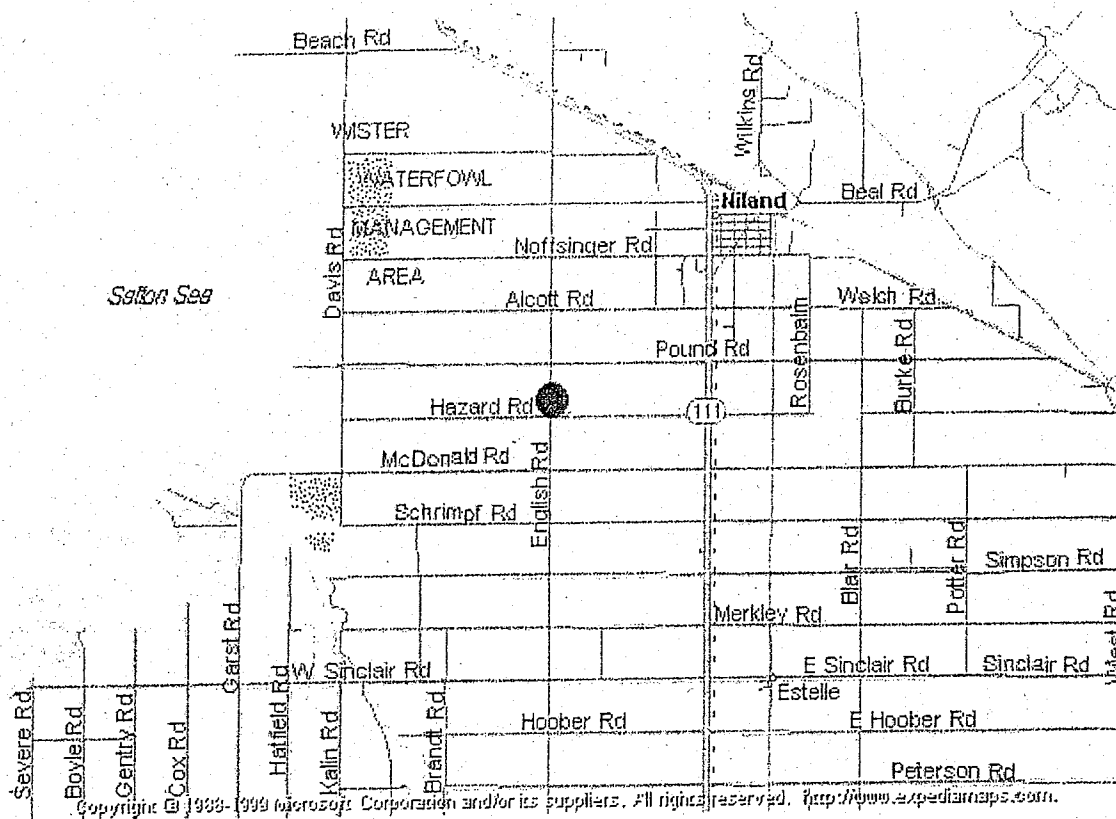
Monitor Type	Ozone			Outdoor Temperature
Manufacturer/Model	API/Teledyne 400			
Serial Number	30330	17800	20005420	x4805
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	Other	Other	Other
Objective	POPULATION EXPOSURE	UNKNOWN	UNKNOWN	
Scale				
Height Above Ground	4.5	4.5	5.0	10.0
Height Above Platform	1.5	1.5		
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2010-01-26	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	No
Calibration Date	2010-01-13	2009-05-06	2009-04-13	2009-01-22
Cal. Equipment Cert. Date	2009-10-13	2008-08-28	2009-04-13	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Agriculture	Agriculture	Agriculture	
Residence Time (sec)	5.4			

Monitor Type	Wind Direction	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	x4362	x4245
POC	1	1
Data For Record?	Yes	Yes
Purpose	Other	Other
Objective		
Scale		
Height Above Ground	10.0	10.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-11-16	2009-11-16
Cal. Equipment Cert. Date		2009-01-14
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Name	Niland	
AQS ID	060254004	
GIS Coordinates	Lat 33° 12' 49" Long 115° 32' 43"	
Location	Located in remote setting near the community of Niland	
Address	7711 English Road, Niland, CA 92257	
County	Imperial County	
Dist. to road	20 meters	
Traffic count	50 vehicles per day	
Ground Cover	Dirt	
Representative area	MSA (El Centro)	
Pollutant	O3	PM10
Sampling Method	API/Teledyne 400	Anderson 1200
Analysis Method	N/A	Weighed by ARB
Start Date	6/1/96	6/1/96
Operation Schedule	Continuous	Continuous
Sampling Season	All year	All year
Probe height	4.5 m	4.5 m
Dist. from supporting structure	1.5 m	1.5 m
Dist. from obstructions on roof	None	None
Distance from trees	None	None
Unrestricted airflow	360°	360°
Probe Material	Glass & Teflon	N/A
Residence Time	5.4 sec	N/A
Is it suitable for comparison against the annual PM2.5?	N/A	No
Frequency of flow rate verification for manual PM samplers audit	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A
Frequency of 1-point QC check (gaseous)	Bi-Weekly	N/A
Last annual performance evaluation (gaseous)	01/27/10	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	01/27/10

Site Information for Niland-English Road

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060254004	13997	6/1/96	Imperial County APCD (009)

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
7711 English Road, Niland CA 92257	Imperial	Salton Sea	33° 12' 49"	115° 32' 43"	-54

Pollutants Monitored (click on parameter link for real-time data)

[O₃](#), [PM₁₀](#), [Outdoor Temperature](#), [Relative Humidity](#), [Wind Direction](#), [Horizontal Wind Speed](#), [Barometric Pressure](#)

Site Survey Report

Siting Information

Site Name: Westmoreland	Audit Date: 2010-01-27	ARB Number: 13697	AIRS Number: 060254003
Address: 570 Cook St. Westmoreland, CA 92281	Latitude: 33° 1' 57"	Longitude: 115° 37' 25"	Elevation (m): -32
	Auditors: Patrick Rainey Mark Copple	Site Technician: Mike Green	Site Phone:
Operating Agency: Imperial County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 20 meters Count (Veh/Day): 100	Topography Site: Level Region: Level	Predominant Wind Direction: West	
			Arc Air Flow (Deg): 360 Degrees	
	Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: Imperial County APCD Urbanization: Rural Ground Cover: Gravel	Probe Clean: Yes
				Manifold Clean: N/A
			Cleaning Schedule: As Needed	
			Autocalibrator Type: API 400A IZS	
			Site Survey Complete: Yes	
			Logbook Up To Date: Yes	

Action Items

Comments

Site Survey Report (Cont.)

Monitor Type	Ozone		Outdoor Temperature	Wind Direction
Manufacturer/Model	API/Teledyne 400			
Serial Number	30331	p1770	X4808	X4363
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	Other	Other
Objective	UNKNOWN	UNKNOWN		
Scale				
Height Above Ground	5.0	4.7	10.0	10.0
Height Above Platform	1.3	1.5		
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2010-01-21	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	No	Yes
Calibration Date	2010-01-13	2009-05-06	2009-01-21	2009-11-16
Cal. Equipment Cert. Date	2008-10-13	2008-08-28	Not Available	
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular		
Residence Time (sec)	7.6			

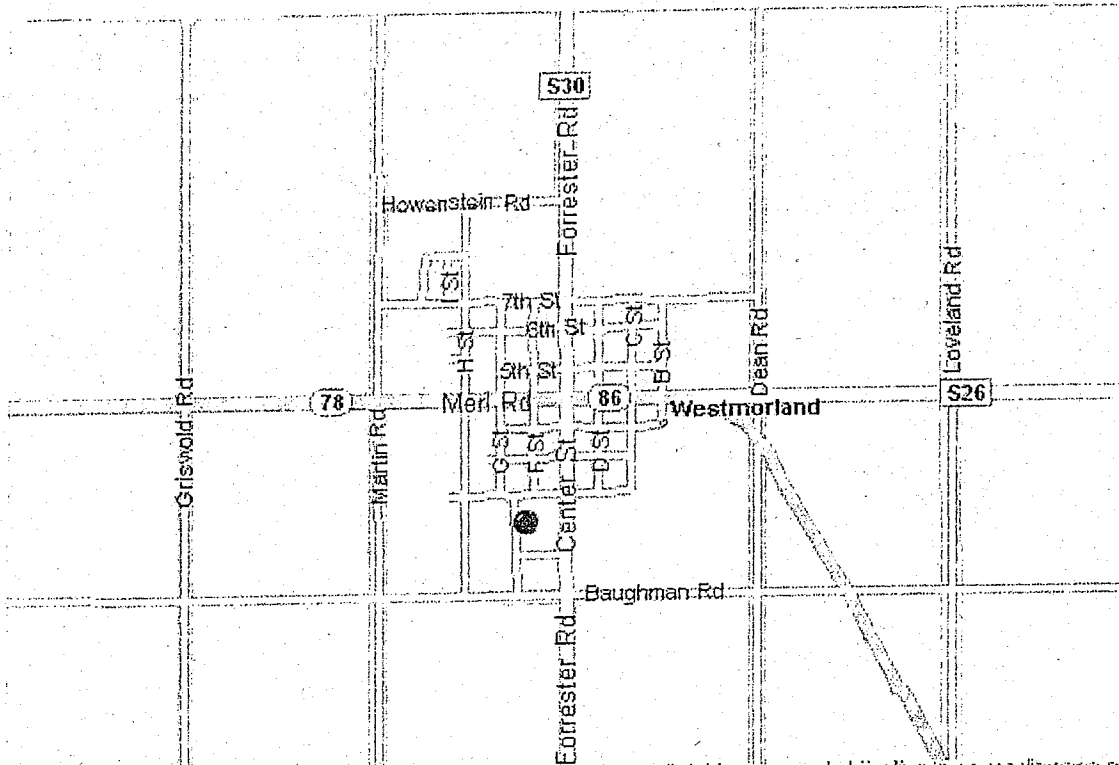
Monitor Type	Horizontal Wind Speed
Manufacturer/Model	
Serial Number	x4246
POC	1
Data For Record?	Yes
Purpose	Other
Objective	
Scale	
Height Above Ground	10.0
Height Above Platform	
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	Yes
Calibration Date	2009-11-16
Cal. Equipment Cert. Date	2009-01-14
Obstacle Description	None
Distance to Obstacle	-
Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	
Residence Time (sec)	

Westmoreland Monitoring Station Details

Site Name	Westmoreland	
AQS ID	060254003	
GIS Coordinates	Lat 33° 01' 57" Long 115° 37' 25"	
Location	Located in suburban setting in the City of Westmoreland	
Address	570 Cook St., Westmoreland, CA 92281	
County	Imperial County	
Dist. to road	20 meters	
Traffic count	100 vehicles per day	
Ground Cover	Dirt	
Representative area	MSA (El Centro)	
Pollutant	O3	PM10
Sampling Method	API/Teledyne 400	Anderson 1200
Analysis Method	N/A	Weighed by ARB
Start Date	4/1/93	4/1/93
Operation Schedule	Continuous	1 in 6 day
Sampling Season	All year	All year
Probe height	5 m	5 m
Dist. from supporting structure	1.3 m	1.5
Dist. from obstructions on roof	None	None
Distance from trees	None	None
Unrestricted airflow	360°	360°
Probe Material	Glass & Teflon	N/A
Residence Time	7.6 sec	N/A
Is it suitable for comparison against the annual PM2.5?	N/A	No
Frequency of flow rate verification for manual PM samplers audit	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A
Frequency of 1-point QC check (gaseous)	Bi-Weekly	N/A
Last annual performance evaluation (gaseous)	1/27/10	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	01/27/10

Site Information for Westmoreland

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AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060254003	13697	4/1/93	Imperial County APCD (009)

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
570 Cook St., Westmoreland CA 92281	<u>Imperial</u>	<u>Salton Sea</u>	33° 1' 57"	115° 37' 25"	-32

Pollutants Monitored (click on parameter link for real-time data)

O₃, PM₁₀, Outdoor Temperature, Relative Humidity, Wind Direction, Horizontal Wind Speed, Barometric Pressure

Site Survey Report

Siting Information

Site Name: Brawley-Main Street #2	Audit Date: 2010-01-26	ARB Number: 13701	AIRS Number: 060250007
Address: 220 Main St. Brawley, CA 92227	Latitude: 32° 58' 42"	Longitude: 115° 32' 21"	Elevation (m): -13
	Auditors: Patrick Rainey Mark Copple	Site Technician: Mike Green	Site Phone:
Operating Agency: Imperial County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Commercial Distance: 30 meters Count (Veh/Day): 5000	Topography Site: Level Region: Level	Predominant Wind Direction: South	
			Arc Air Flow (Deg): 360 Degrees	
	Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Natural	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual Approved: Yes Agency: Imperial County APCD	Probe Clean: N/A
				Manifold Clean: N/A
Cleaning Schedule: N/A				
Urbanization: City Center			Autocalibrator Type: N/A	
Ground Cover: Roof			Site Survey Complete: Yes	
			Logbook Up To Date: Yes	

Action Items

Comments

Site Survey Report (Cont.)

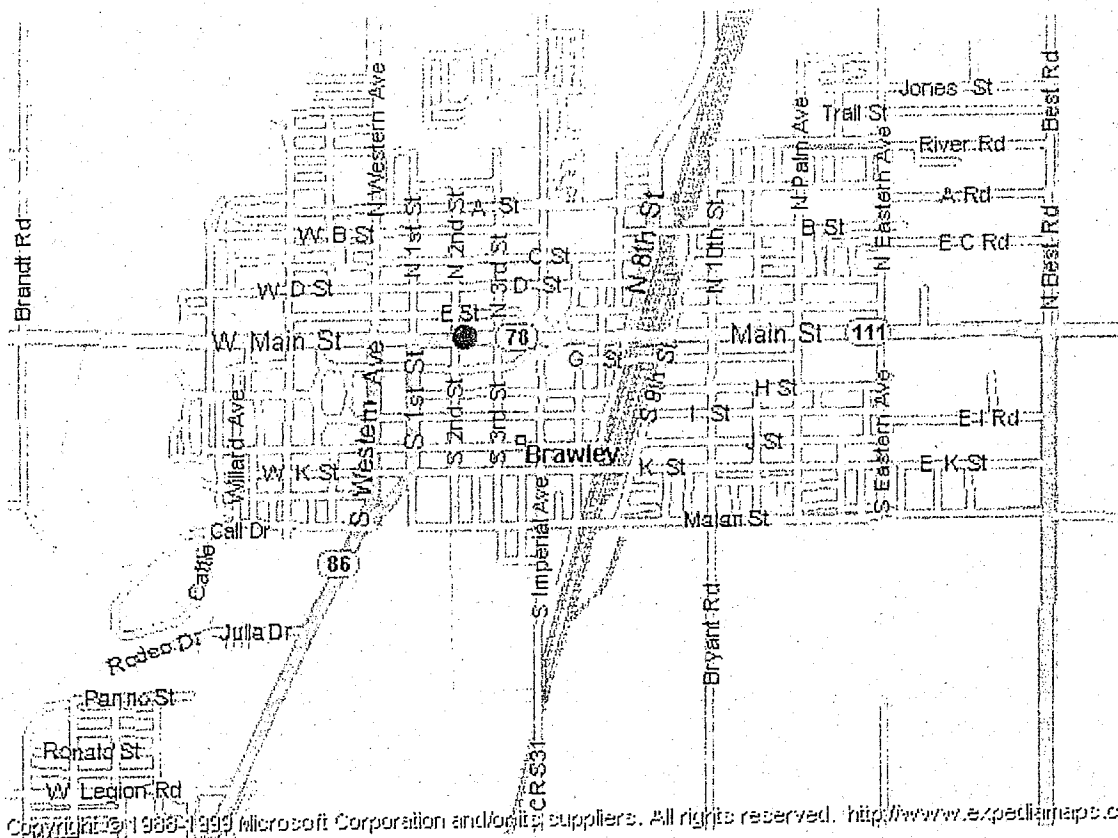
Monitor Type				Outdoor Temperature
Manufacturer/Model				
Serial Number	07346	20021417	20021398	B1681
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	Unknown
Objective	Other	Other	Other	
Scale				
Height Above Ground	10.0	10.0	10.0	10.0
Height Above Platform	1.5	1.5	1.5	1.0
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	No
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	No
Calibration Date	2009-05-06	2009-04-13	2009-10-14	2009-01-21
Cal. Equipment Cert. Date	2008-08-28	2009-01-07	2009-04-13	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	
Residence Time (sec)				

Brawley Monitoring Station Details

Site Name	Brawley		
AQS ID	060250007		
GIS Coordinates	Lat 32° 58' 42" Long 115° 32' 21"		
Location	Located in city center setting in the City of Brawley		
Address	220 Main St., Brawley, CA 92227		
County	Imperial County		
Dist. to road	30 meters		
Traffic count	5000 vehicles per day		
Ground Cover	Roof		
Representative area	MSA (El Centro)		
Pollutant	PM2.5	PM10	PM10
Sampling Method	R&P seq. WINS	Anderson 1200	BAM 1020
Analysis Method	Weighed by SDAPCD	Weighed by ARB	N/A
Start Date	1/1/04	1/1/04	1/7/09
Operation Schedule	1 in 3 day	1 in 6 day	Continuous
Sampling Season	All year	All year	All year
Probe height	10.0 m	10.0 m	10.0 m
Dist. from supporting structure	1.5 m	1.5 m	1.5 m
Dist. from obstructions on roof	None	None	None
Distance from trees	None	None	None
Unrestricted airflow	360°	360°	360°
Probe Material	N/A	N/A	N/A
Residence Time	N/A	N/A	N/A
Is it suitable for comparison against the annual PM2.5?	No	No	No
Frequency of flow rate verification for manual PM samplers audit	Monthly	Monthly	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	Monthly
Frequency of 1-point QC check (gaseous)	N/A	N/A	N/A
Last annual performance evaluation (gaseous)	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	01/26/10	01/26/10	01/26/10

Site Information for Brawley-Main Street #2

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060250007	13701	1/1/04	Imperial County APCD (009)

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
220 Main St., Brawley CA 92227	Imperial	Salton Sea	32° 58' 42"	115° 32' 21"	-13

Pollutants Monitored (click on parameter link for real-time data)

PM₁₀, [BAM_{PM10}](#), PM_{2.5}, [Outdoor Temperature](#)

Site Survey Report

Siting Information

Site Name: El Centro-9th Street	Audit Date: 2010-01-28	ARB Number: 13694	AIRS Number: 060251003
Address: 150 9th St El Centro, CA 92243	Latitude: 32° 47' 32"	Longitude: 115° 33' 47"	Elevation (m): 9
	Auditors: Patrick Rainey Mark Copple	Site Technician: Mike Green	Site Phone:
Operating Agency: Imperial County APCD		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25.6 Degrees Celsius	Traffic Description: Residential Distance: 30 meters Count (Veh/Day): 2500	Topography	Predominant Wind Direction: South
		Site: Level	Arc Air Flow (Deg): 360 Degrees
		Region: Level	Probe Clean: Yes
	Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 347 Temp(Motor/Natural): Natural	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual
Approved: Yes			Cleaning Schedule: As Needed
Agency: Imperial County APCD			Autocalibrator Type: Envirionics 9100
Urbanization: City Center			Site Survey Complete: Yes
Ground Cover: Roof			Logbook Up To Date: Yes

Action Items

Comments

Site Survey Report (Cont.)

Monitor Type	Nitrogen Dioxide	Ozone		PM2.5
Manufacturer/Model	API 200A	API/Teledyne 400		
Serial Number	2002070	30332	07661	20020959
POC	1	1	2	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	SLAMS
Objective	POPULATION EXPOSURE	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale	Null			Neighborhood
Height Above Ground	9.2	9.2	10.0	10.0
Height Above Platform	1.8	1.8	1.5	1.5
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2010-01-25	2010-01-25	Not Available	Not Available
Cal. Gas Cert. Date	2009-06-29	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-11-23	2009-11-23	2009-05-06	2009-10-14
Cal. Equipment Cert. Date	2008-07-08	2009-07-08	2008-08-28	2009-04-13
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)	8.7	8.1		

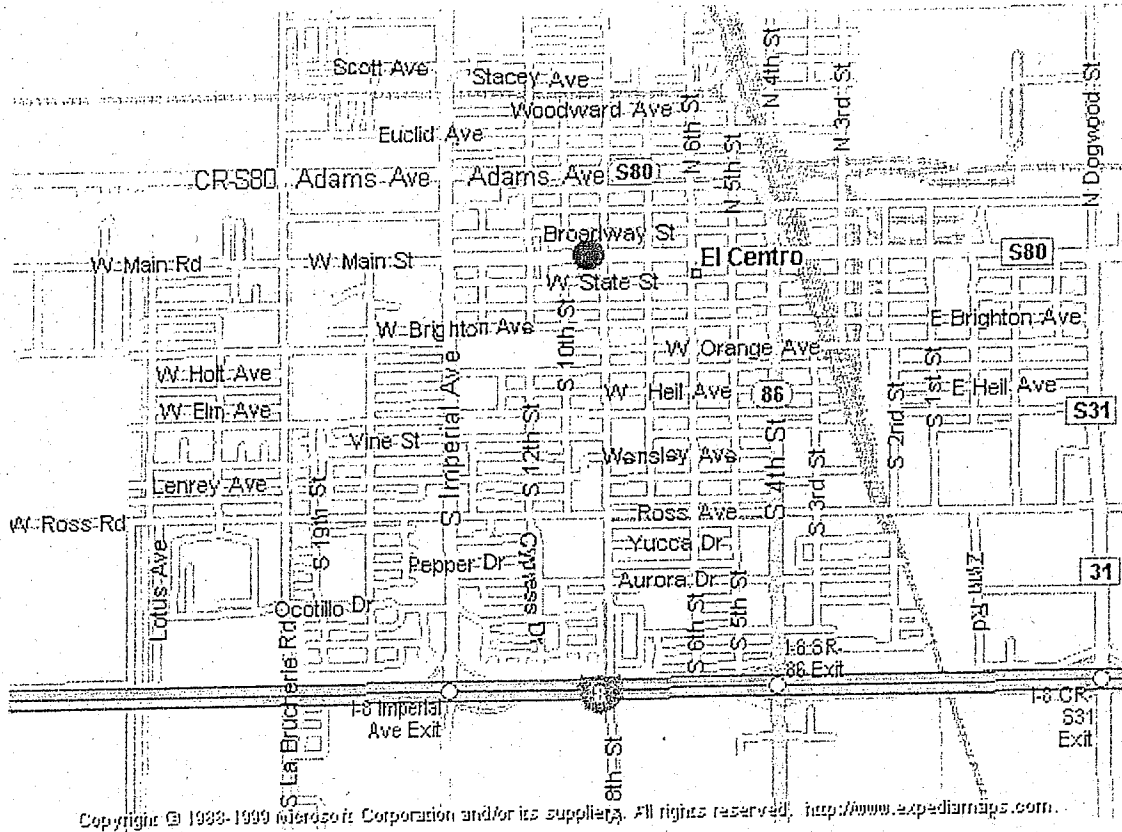
Monitor Type	Outdoor Temperature	Wind Direction	Horizontal Wind Speed
Manufacturer/Model			
Serial Number	X4806	X4361	U5005
POC	1	1	1
Data For Record?	Yes	Yes	Yes
Purpose	Other	Other	Other
Objective			
Scale			
Height Above Ground	10.0	10.0	10.0
Height Above Platform		3.3	3.3
Sampler Spacing			
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes
Calibration Date	2009-01-29	2009-11-16	2009-11-16
Cal. Equipment Cert. Date	Not Available		2009-01-14
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence			
Residence Time (sec)			

El Centro Monitoring Station Details

Site Name	El Centro				
AQS ID	060251003				
GIS Coordinates	Lat 32° 47' 32" Long 115° 33' 47"				
Location	Located in city center setting in the City of El Centro				
Address	150 S. 9 th St., El Centro, CA 92243				
County	Imperial County				
Dist. to road	30 meters				
Traffic count	2500 vehicles per day				
Ground Cover	Roof				
Representative area	MSA (El Centro)				
Pollutant	NO2	O3	CO	PM2.5	PM10
Sampling Method	API 200A	API/Teledyne 400	API 300	R&P seq. WINS	Anderson 1200
Analysis Method	N/A	N/A	N/A	W. by SDAPCD	W. by ARB
Start Date	2/1/88	2/1/88	2/1/88	2/1/88	2/1/88
Operation Schedule	Continuous	Continuous	Continuous	1 in 3 day	1 in 6 day
Sampling Season	All year	All year	All year	All year	All year
Probe height	9.2 m	9.2 m	9.2	10.0 m	10.0 m
Dist. from sup structure	1.8 m	1.8 m	1.8 m	1.5 m	1.5 m
Dist. from obstructions on roof	None	None	None	None	None
Distance from trees	None	None	None	None	None
Unrestricted airflow	360°	360°	360°	360°	360°
Probe Material	Glass & Teflon	Glass & Teflon	Glass & Teflon	N/A	N/A
Residence Time	8.7 sec	8.1 sec	8.1	N/A	N/A
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	No	No
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	Monthly	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A	N/A
Frequency of 1-point QC check (gaseous)	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A	N/A
Last annual performance evaluation (gaseous)	1/28/10	1/28/10	1/28/10	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	01/28/10	01/28/10

Site Information for El Centro-9th Street

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
060251003	13694	2/1/88	Imperial County APCD (009)

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
150 9th St, El Centro CA 92243	Imperial	Salton Sea	32° 47' 32"	115° 33' 47"	9

Pollutants Monitored (click on parameter link for real-time data)

[CO](#), [NO₂](#), [O₃](#), [PM₁₀](#), [PM_{2.5}](#), [Outdoor Temperature](#), [Wind Direction](#), [Horizontal Wind Speed](#), [Barometric Pressure](#)

Site Survey Report

Siting Information

Site Name: Calexico-Ethel Street	Audit Date: 2010-02-02	ARB Number: 13698	AIRS Number: 060250005
Address: 1029 Belcher St Calexico, CA 92231	Latitude: 32° 40' 34"	Longitude: 115° 28' 59"	Elevation (m): 6
	Auditors: Mark Copple Alvin Danque	Site Technician: Tony Royer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Residential Distance: 20 meters Count (Veh/Day): 7000	Topography Site: Level Region: Level	Predominant Wind Direction: West
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 346 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: Parking lot Distance: 3 meters Direction: 270	QA Manual Approved: Yes	Manifold Clean: Yes
		Agency: Air Resources Board	Cleaning Schedule: Annually
		Urbanization: Suburban	Autocalibrator Type: Envirionics 9100
		Ground Cover: Asphalt	Site Survey Complete: Yes
			Logbook Up To Date: Yes

Action Items

Comments

Site Survey Report (Cont.)

Monitor Type	Carbon Monoxide	Carbon Monoxide	Carbon Monoxide	Sulfur Dioxide
Manufacturer/Model	Dasibi 3008			TECO 43A, 43B, 43C, 43I
Serial Number	20003816	Not Available	Not Available	20021372
POC	1			1
Data For Record?	Yes	No	No	Yes
Purpose	SLAMS			SLAMS
Objective	UNKNOWN			UNKNOWN
Scale	Null			Null
Height Above Ground	5.7			5.7
Height Above Platform	2.2			2.2
Sampler Spacing				
Current Manual Available?	Yes	No	No	Yes
Instrument Log Up-to-date?	Yes	No	No	Yes
In-line Filter Change Date	2010-01-29	Not Available	Not Available	2010-01-29
Cal. Gas Cert. Date	2009-06-09	Not Available	Not Available	2009-06-09
Calibration Current?	Yes	No	No	Yes
Calibration Date	2009-06-10	Not Available	Not Available	2009-06-10
Cal. Equipment Cert. Date	2009-05-11	Not Available	Not Available	2009-05-11
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular			Vehicular
Residence Time (sec)				10.1

Monitor Type	Nitrogen Dioxide	Ozone		Suspended Particulate (TSP)
Manufacturer/Model	API 200A	API/Teledyne 400		
Serial Number	200072337	1302	20004186	20081137
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	No
Purpose	SLAMS	SLAMS	SLAMS	
Objective	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Scale	Null			
Height Above Ground	5.7	5.7	6.0	5.9
Height Above Platform	2.2	2.2	1.5	1.4
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2010-01-29	2010-01-29	Not Available	Not Available
Cal. Gas Cert. Date	2009-06-09	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-06-10	2009-06-10	2010-01-28	2010-01-28
Cal. Equipment Cert. Date	2009-05-11	2009-02-19	2009-07-28	2009-07-28
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	
Residence Time (sec)	9.7	6.1		

Site Survey Report (Cont.)

Monitor Type			PM2.5	PM2.5
Manufacturer/Model				
Serial Number	20020893	20021151	20081150	20081149
POC	1	3	3	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	Other	Other	Other	SLAMS
Objective	POPULATION EXPOSURE	POPULATION EXPOSURE	POPULATION EXPOSURE	Other
Scale				Neighborhood
Height Above Ground	6.0	6.0	2.2	2.2
Height Above Platform	1.5	1.5	1.2	1.2
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-11-25	2009-11-25	2009-10-29	2009-10-29
Cal. Equipment Cert. Date	2009-04-13	2009-04-13	2009-04-13	2009-04-13
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)				

Monitor Type		Outdoor Temperature	Wind Direction	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	20021472	P8795	E 1338	E1112
POC	1	1	1	1
Data For Record?	Yes	Yes	Yes	Yes
Purpose	Unknown	SLAMS	SLAMS	SLAMS
Objective	UNKNOWN			
Scale				
Height Above Ground	5.5	8.0	10.0	10.0
Height Above Platform	1.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	No	No	No
Calibration Date	2010-01-28	2009-01-28	2009-01-28	2009-01-28
Cal. Equipment Cert. Date	2009-11-23	Not Available		Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular			
Residence Time (sec)				

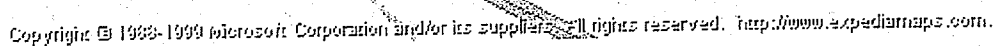
Site Survey Report (Cont.)

Monitor Type	Barometric Pressure
Manufacturer/Model	
Serial Number	060250005
POC	1
Data For Record?	Yes
Purpose	Other
Objective	
Scale	
Height Above Ground	6.0
Height Above Platform	
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	No
Calibration Date	2009-01-28
Cal. Equipment Cert. Date	Not Available
Obstacle Description	None
Distance to Obstacle	-
Height Above Inlet	-
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	
Residence Time (sec)	

Calexico-Ethel Monitoring Station Details

Site Name	Calexico-Ethel							
AQS ID	060250005							
GIS Coordinates	Lat 32° 40' 34" Long 115° 28' 59"							
Location	Located in suburban (residential) area next to a school in City of Calexico							
Address	1020 Belcher St., Calexico, CA 92231							
County	Imperial County							
Dist. to road	20 meters							
Traffic count	7000 vehicles per day							
Ground Cover	Asphalt							
Representative area	MSA (El Centro)							
Pollutant	NO2	O3	CO	SO2	PM2.5	PM2.5	PM10	TSP
Sampling Method	API 200E	API/Teledyne 400	Dasibi 3008	Teco 43	R&P seq. WINS	BAM 1020	Anderson 1200	Anderson 1200
Analysis Method	N/A	N/A	N/A	N/A	Weighed by ARB	N/A	Weighed by ARB	Weighed by ARB
Start Date	3/1/94	3/1/94	3/1/94	3/1/94	3/1/94	3/1/94	3/1/94	3/1/94
Operation Schedule	Continuous	Continuous	Continuous	Continuous	1 in 3 day	Continuous	1 in 6 day	1 in 6 day
Sampling Season	All year	All year	All year	All year	All year	All year	All year	All year
Probe height	5.7 m	5.7 m	5.7m	5.7m	2.5 m	2.5 m	6.0 m	6.0 m
Dist. from supporting structure	2.2 m	2.2 m	2.2 m	2.2 m	1.5 m	1.5 m	1.5 m	1.5 m
Dist. from obstructions on roof	None	None	None	None	None	None	None	None
Distance from trees	None	None	None	None	None	None	None	None
Unrestricted airflow	360°	360°	360°	360°	360°	360°	360°	360°
Probe Material	Glass & Teflon	Glass & Teflon	Glass & Teflon	Glass & Teflon	N/A	N/A	N/A	N/A
Residence Time	9.7 sec	6.1 sec	7.5 sec	10.1 sec	N/A	N/A	N/A	N/A
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	N/A	Yes	Yes	No	No
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A	Monthly	N/A	Monthly	Monthly
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	N/A	N/A	Monthly	N/A	N/A
Frequency of 1-point QC check (gaseous)	Bi-Weekly	Bi-Weekly	Bi-Weekly	Bi-Weekly	N/A	N/A	N/A	N/A
Last annual performance evaluation (gaseous)	02/02/10	02/02/10	02/02/10	02/02/10	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	N/A	02/02/10	02/02/10	02/02/10	02/02/10

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Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
1029 Belcher St, Calxico CA 92231	<u>Imperial</u>	<u>Salton Sea</u>	32° 40' 34"	115° 28' 59"	6

CO, SO₂, NO₂, O₃, PM₁₀, BAM_{PM2.5}, PM_{2.5}, TSP, Toxics, Cr⁶⁺, Outdoor Temperature, Relative Humidity, Wind Direction, Horizontal Wind Speed, Barometric Pressure, Solar Radiation

Site Survey Report

Siting Information

Site Name: Calexico-East	Audit Date: 2010-02-03	ARB Number: 13700	AIRS Number: 060250006
Address: 1699 Carr Rd Calexico, CA 92231	Latitude: 32° 40' 27"	Longitude: 115° 23' 28"	Elevation (m): 10
	Auditors: Mark Copple Alvin Danque	Site Technician: Tony Royer	Site Phone:
Operating Agency: California Air Resources Board		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 24 Degrees Celsius	Traffic Description: Border Distance: 150 meters Count (Veh/Day): 5000	Topography	Predominant Wind Direction: West
		Site: Level	Arc Air Flow (Deg): 360 Degrees
		Region: level	Probe Clean: No
		QA Manual	Manifold Clean: No
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): 347 Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Approved: Yes	Cleaning Schedule: Semi Annually
		Agency: CARB	Autocalibrator Type: Envirionics 9100
		Urbanization: Rural	Site Survey Complete: Yes
		Ground Cover: Dirt	Logbook Up To Date: Yes

Action Items

Comments

Site Survey Report (Cont.)

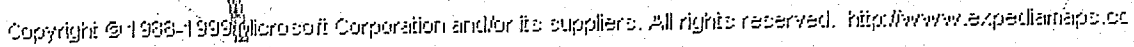
Monitor Type	Nitrogen Dioxide	Nitrogen Dioxide	Ozone	
Manufacturer/Model	API 200A	API 200E	API/Teledyne 400	
Serial Number	20072338	20072338	20060127	20021146
POC	1	1	1	3
Data For Record?	Yes	Yes	Yes	Yes
Purpose	SLAMS	SLAMS	SLAMS	Other
Objective	UNKNOWN	UNKNOWN	UNKNOWN	POPULATION EXPOSURE
Scale		Null		
Height Above Ground	4.0	4.0	4.0	3.8
Height Above Platform	1.7	1.7	1.7	1.4
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	2010-01-28	2010-05-05	2010-01-28	Not Available
Cal. Gas Cert. Date	2009-04-29	2009-04-29	Not Available	Not Available
Calibration Current?	No	Yes	No	Yes
Calibration Date	2009-02-17	2010-04-14	2009-01-20	2010-01-29
Cal. Equipment Cert. Date	2009-01-28	2010-03-01	2008-11-20	2009-04-13
Obstacle Description	Trees	Trees	Trees	Trees
Distance to Obstacle	3.0	3.0	3.0	6.5
Height Above Inlet	6.0	6.0	6.0	6.2
Distance to Walls, etc.				
Distance to Dripline	3.0	3.0	3.0	6.5
Dominant Influence	Vehicular	Vehicular	Vehicular	Vehicular
Residence Time (sec)	16.4	18.4	16.3	

Monitor Type	Outdoor Temperature
Manufacturer/Model	
Serial Number	R8071
POC	1
Data For Record?	Yes
Purpose	SLAMS
Objective	
Scale	
Height Above Ground	6.0
Height Above Platform	
Sampler Spacing	
Current Manual Available?	Yes
Instrument Log Up-to-date?	Yes
In-line Filter Change Date	Not Available
Cal. Gas Cert. Date	Not Available
Calibration Current?	No
Calibration Date	2009-01-14
Cal. Equipment Cert. Date	Not Available
Obstacle Description	Trees
Distance to Obstacle	6.5
Height Above Inlet	0.0
Distance to Walls, etc.	-
Distance to Dripline	-
Dominant Influence	
Residence Time (sec)	

Calexico East Monitoring Station Details

Site Name	Calexico East			
AQS ID	060250006			
GIS Coordinates	Lat 32° 40' 27" Long 115° 23' 28"			
Location	Located in rural setting near the Calexico East Border Inspection Station in the City of Calexico			
Address	1699 Carr Road, Calexico, CA 92231			
County	Imperial County			
Dist. to road	150 meters			
Traffic count	5000 vehicles per day			
Ground Cover	Dirt			
Representative area	MSA (El Centro)			
Pollutant	NO2	O3	CO	PM2.5
Sampling Method	API 200E	API/Teledyne 400	Dasibi 3008	BAM 1020
Analysis Method	N/A	N/A	N/A	N/A
Start Date	4/5/96	4/5/96	4/5/96	4/5/96
Operation Schedule	Continuous	Continuous	Continuous	Continuous
Sampling Season	All year	All year	All year	All year
Probe height	4.0 m	4.0 m	4.0 m	3.8 m
Dist. from supporting structure	1.7 m	1.7 m	1.7 m	1.4 m
Dist. from obstructions on roof	None	None	None	None
Distance from trees	3.0 m	3.0 m	3.0 m	6.5 m
Unrestricted airflow	360°	360°	360°	360°
Probe Material	Glass & Teflon	Glass & Teflon	Glass & Teflon	N/A
Residence Time	16.4	16.3	12.8	N/A
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	Yes
Frequency of flow rate verification for manual PM samplers audit	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers audit	N/A	N/A	N/A	Monthly
Frequency of 1-point QC check (gaseous)	Bi-weekly	Bi-Weekly	Bi-Weekly	N/A
Last annual performance evaluation (gaseous)	02/03/10	02/03/10	02/03/10	N/A
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	02/03/10

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Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
1699 Carr Rd, Calexico CA 92231	<u>Imperial</u>	<u>Salton Sea</u>	32° 40' 27"	115° 23' 28"	10

Pollutants Monitored (click on parameter link for real-time data)
[CO](#), [NO₂](#), [O₃](#), [BAM_{PM2.5}](#), [Outdoor Temperature](#), [Wind Direction](#), [Horizontal Wind Speed](#)

Site Survey Report

Siting Information

Site Name: Naval Test Base	Audit Date: 2010-03-23	ARB Number: 13603	AIRS Number: None
Address: None CA	Latitude: 33° 10' 10"	Longitude: 115° 51' 21"	Elevation (m): -37m
	Auditors: Chris Deidrick Don Filzell	Site Technician: Jonathan Barroga	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 2000 meters Count (Veh/Day): 10000	Topography Site: Level Region: Valley	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
		QA Manual Approved: Yes Agency: Imperial County.	Probe Clean: N/A
			Manifold Clean: N/A
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	Urbanization: Remote	Cleaning Schedule: N/A
		Ground Cover: Sand	Autocalibrator Type: N/A
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Action Items

Comments

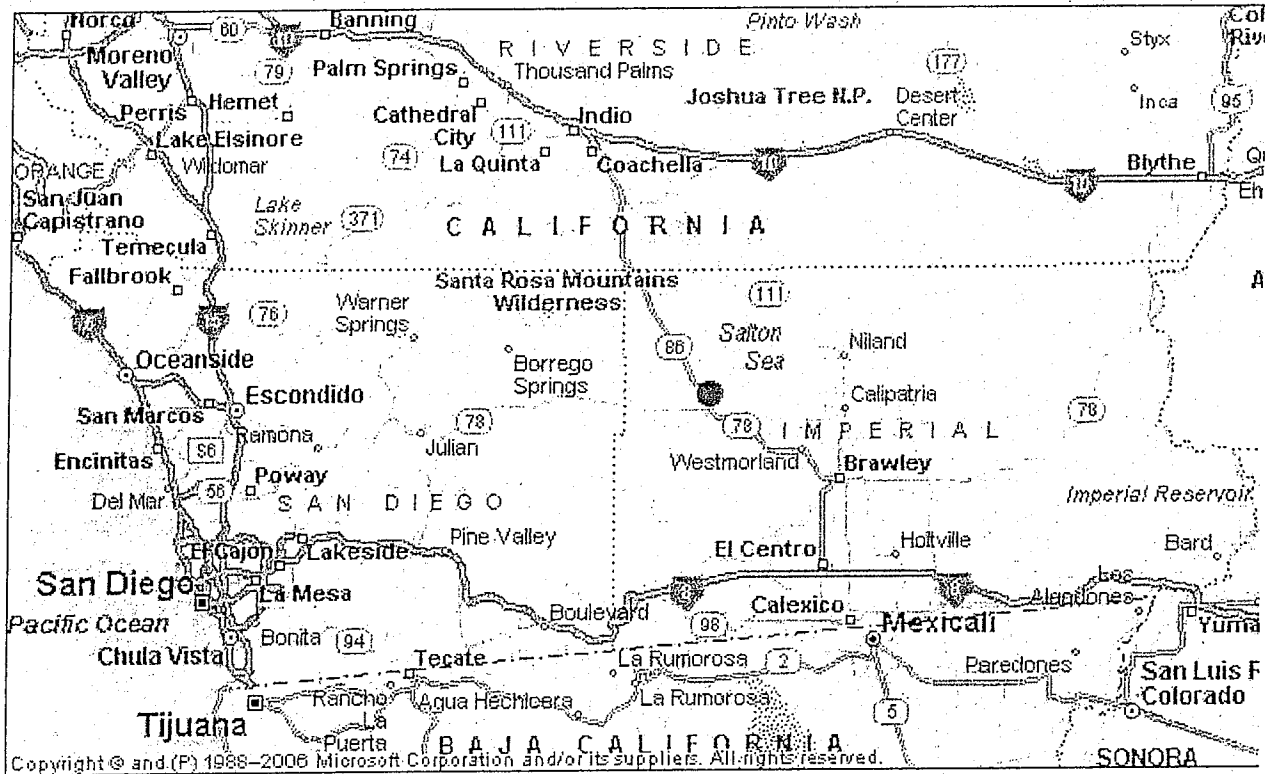
Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	A205060906	TS16699	TS16696	S510M
POC				
Data For Record?	No	No	No	No
Purpose				
Objective				
Scale				
Height Above Ground	5.0	10.0	2.0	10.0
Height Above Platform	2.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular			
Residence Time (sec)				

Monitor Type	Horizontal Wind Speed	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	S51M	S52M
POC		
Data For Record?	No	No
Purpose		
Objective		
Scale		
Height Above Ground	1.0	2.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-09-24	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Information for Naval Test Base

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AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	13603	Not Available	Q

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
None, CA	Imperial	Salton Sea	33° 10' 10"	115° 51' 21"	-37m

Pollutants Monitored

TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

Site Survey Report

Siting Information

Site Name: Salton City	Audit Date: 2010-03-25	ARB Number: 13604	AIRS Number: None
Address: N/A Salton City, CA 92275	Latitude: 33° 16' 21"	Longitude: 115° 54' 2"	Elevation (m): -67m
	Auditors: Don Fitzell Chris Deidrick	Site Technician: Johathan Barroga	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 10000 meters Count (Veh/Day): 3000	Topography	Predominant Wind Direction: Northwest
		Site: Level	Arc Air Flow (Deg): 360 Degrees
		Region: Level	Probe Clean: N/A
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A	QA Manual	Manifold Clean: N/A
		Approved: Yes	Cleaning Schedule: N/A
		Agency: Imperial County	Autocalibrator Type: N/A
		Urbanization: Rural	Site Survey Complete: Yes
		Ground Cover: Sand	Logbook Up To Date: Yes

Action Items

Comments

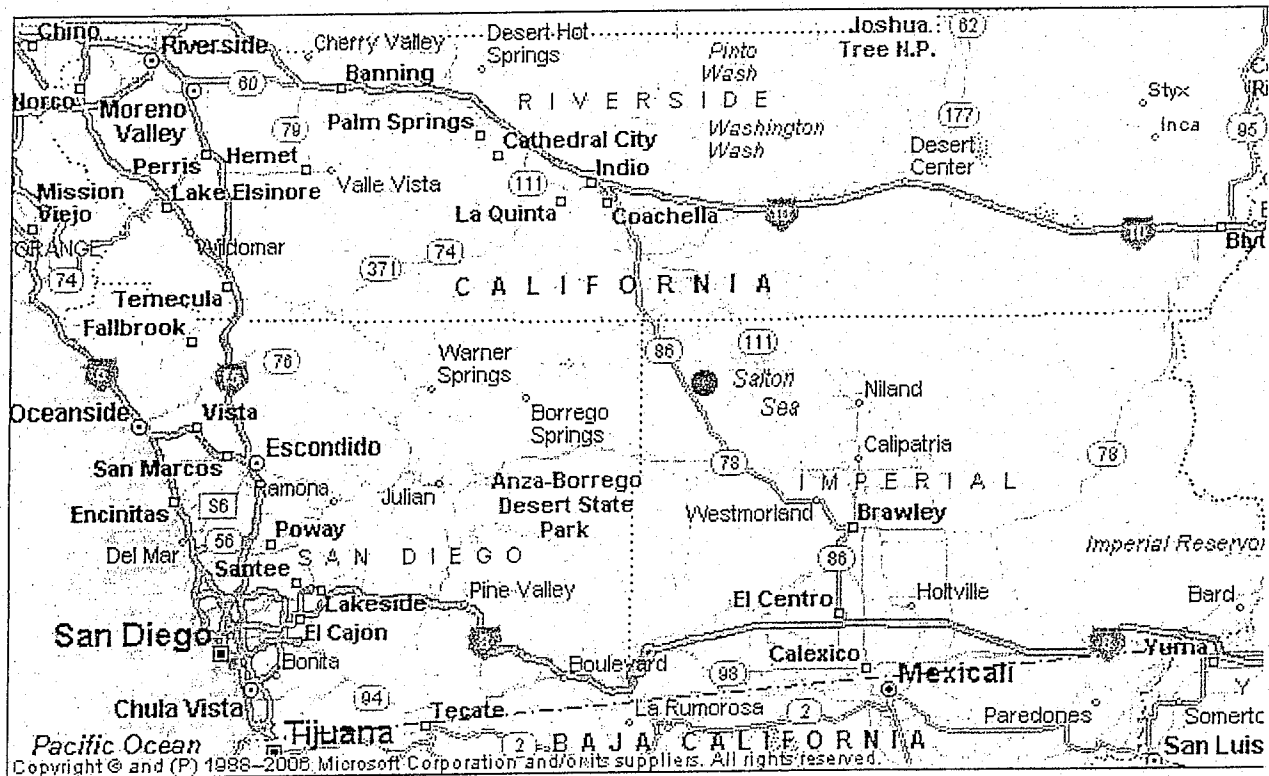
Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	A205070906	TS16698	TS16695	S610M
POC				
Data For Record?	No	No	No	No
Purpose				
Objective				
Scale				
Height Above Ground	5.0	10.0	2.0	10.0
Height Above Platform	2.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular			
Residence Time (sec)				

Monitor Type	Horizontal Wind Speed	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	S61M	S62M
POC		
Data For Record?	No	No
Purpose		
Objective		
Scale		
Height Above Ground	2.0	1.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-09-24	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Information for Salton City

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AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	13604	Not Available	Q

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
N/A, Salton City CA 92275	Imperial	Salton Sea	33° 16' 21"	115° 54' 2"	-67m

Pollutants Monitored
TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

Site Survey Report

Siting Information

Site Name: Torres-Martinez	Audit Date: 2010-03-25	ARB Number: 33601	AIRS Number: None
Address: Lincoln Ave. & 73rd Ave. Mecca, CA 92254	Latitude: 33° 31' 6"	Longitude: 116° 4' 31"	Elevation (m): -70m
	Auditors: Don Fittell Chris Deidrick	Site Technician: Johathan Chapman	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 25 Degrees Celsius	Traffic Description: Rural Distance: 2000 meters Count (Veh/Day): 10000	Topography Site: Level Region: Level QA Manual Approved: Yes Agency: Imperial County Urbanization: Rural Ground Cover: Sand	Predominant Wind Direction: Northwest
			Arc Air Flow (Deg): 360 Degrees
			Probe Clean: N/A
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): N/A Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A		Manifold Clean: N/A
			Cleaning Schedule: N/A
			Autocalibrator Type: N/A
			Site Survey Complete: Yes
			Logbook Up To Date: Yes

Action Items

Comments

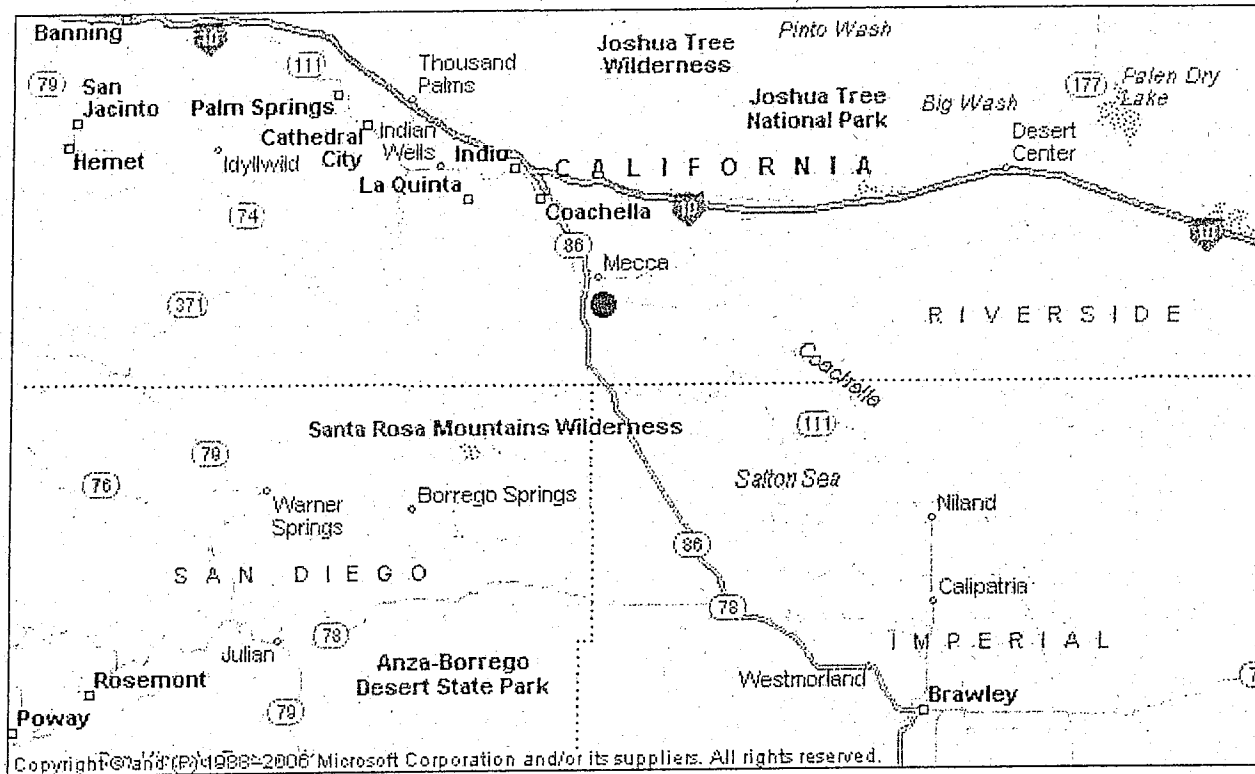
Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	A205040905	TS16701	TS16705	S110M
POC				
Data For Record?	No	No	No	No
Purpose				
Objective				
Scale				
Height Above Ground	4.0	2.0	10.0	10.0
Height Above Platform	2.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Agriculture			
Residence Time (sec)				

Monitor Type	Horizontal Wind Speed	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	S12M	S11M
POC		
Data For Record?	No	No
Purpose		
Objective		
Scale		
Height Above Ground	2.0	1.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-09-24	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Information for Torres-Martinez

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AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	33601	Not Available	0

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
Lincoln Ave. & 73rd Ave., Mecca CA 92254	<u>Riverside</u>	<u>Salton Sea</u>	33° 31' 6"	116° 4' 31"	-70m

Pollutants Monitored

TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

Site Survey Report

Siting Information

Site Name: Salton Sea Park	Audit Date: 2010-03-24	ARB Number: 33602	AIRS Number: None
Address: 100-225 State Park Rd. North Shore, CA 92254	Latitude: 33° 30' 32"	Longitude: 115° 55' 11"	Elevation (m): -70m
	Auditors: Don Fitzell Chris Deidrick	Site Technician: Johathan Barroga	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

<div>Station Temperature</div> <div>Controlled: Yes</div> <div>Recorded: Yes</div> <div>Inside Temp: 25 Degrees Celsius</div>	<div>Traffic</div> <div>Description: Rural</div> <div>Distance: 300 meters</div> <div>Count (Veh/Day): 2000</div>	<div>Topography</div> <div>Site: Level</div> <div>Region: Level</div>	Predominant Wind Direction: Northwest	
			Arc Air Flow (Deg): 360 Degrees	
			Probe Clean: N/A	
		<div>Meteorology</div> <div>Located With Instruments: Yes</div> <div>Shadowing: No</div> <div>Boom Orientation (Deg): N/A</div> <div>Temp(Motor/Natural): Motor</div>	<div>Non-vehicular Local Sources</div> <div>Description: None</div> <div>Distance: N/A</div> <div>Direction: N/A</div>	QA Manual
Approved: Yes	Cleaning Schedule: N/A			
	Agency: Imperial County			
Urbanization: Rural	Autocalibrator Type: N/A			
Ground Cover: Sand	Site Survey Complete: Yes			
			Logbook Up To Date: Yes	

Action Items

Comments

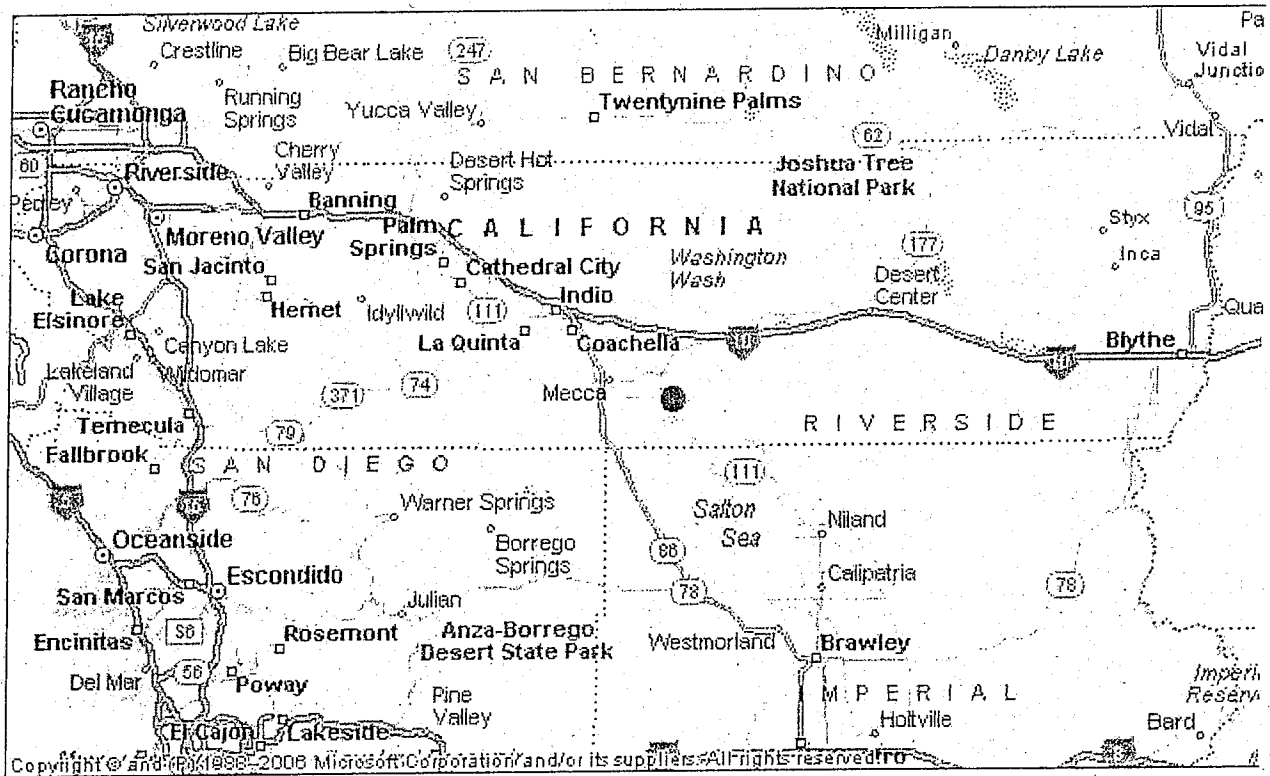
Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	A205090906	TS16703	TS16700	S210M
POC				
Data For Record?	No	No	No	No
Purpose				
Objective	UNKNOWN			
Scale				
Height Above Ground	5.0	10.0	2.0	10.0
Height Above Platform	2.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Recreational Area			
Residence Time (sec)				

Monitor Type	Horizontal Wind Speed	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	S21M	S22M
POC		
Data For Record?	No	No
Purpose		
Objective		
Scale		
Height Above Ground	1.0	2.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-09-24	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Information for Salton Sea Park

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	33602	Not Available	0

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
100-225 State Park Rd., North Shore CA 92254	Riverside	Salton Sea	33° 30' 32"	115° 55' 11"	-70m

Pollutants Monitored

TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

Site Survey Report

Siting Information

Site Name: Bombay Beach	Audit Date: 2010-03-24	ARB Number: 13601	AIRS Number: None
Address: A St. & 3rd St. Bombay Beach, CA 92257	Latitude: 33° 21' 9"	Longitude: 115° 44' 4"	Elevation (m): -67m
	Auditors: Don Fitzell Chris Deidrick	Site Technician: Jonathan Barroga	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

Station Temperature Controlled: Yes Recorded: Yes Inside Temp: 24 Degrees Celsius	Traffic Description: Rural Distance: 900 meters Count (Veh/Day): 2000	Topography Site: Level Region: Level	Predominant Wind Direction: Northwest Arc Air Flow (Deg): 360 Degrees Probe Clean: N/A
		QA Manual Approved: Yes Agency: Imperial County	Manifold Clean: N/A Cleaning Schedule: N/A Autocalibrator Type: N/A
		Urbanization: Rural Ground Cover: Sand	Site Survey Complete: Yes Logbook Up To Date: Yes
Meteorology Located With Instruments: Yes Shadowing: No Boom Orientation (Deg): Temp(Motor/Natural): Motor	Non-vehicular Local Sources Description: None Distance: N/A Direction: N/A		

Action Items

Comments

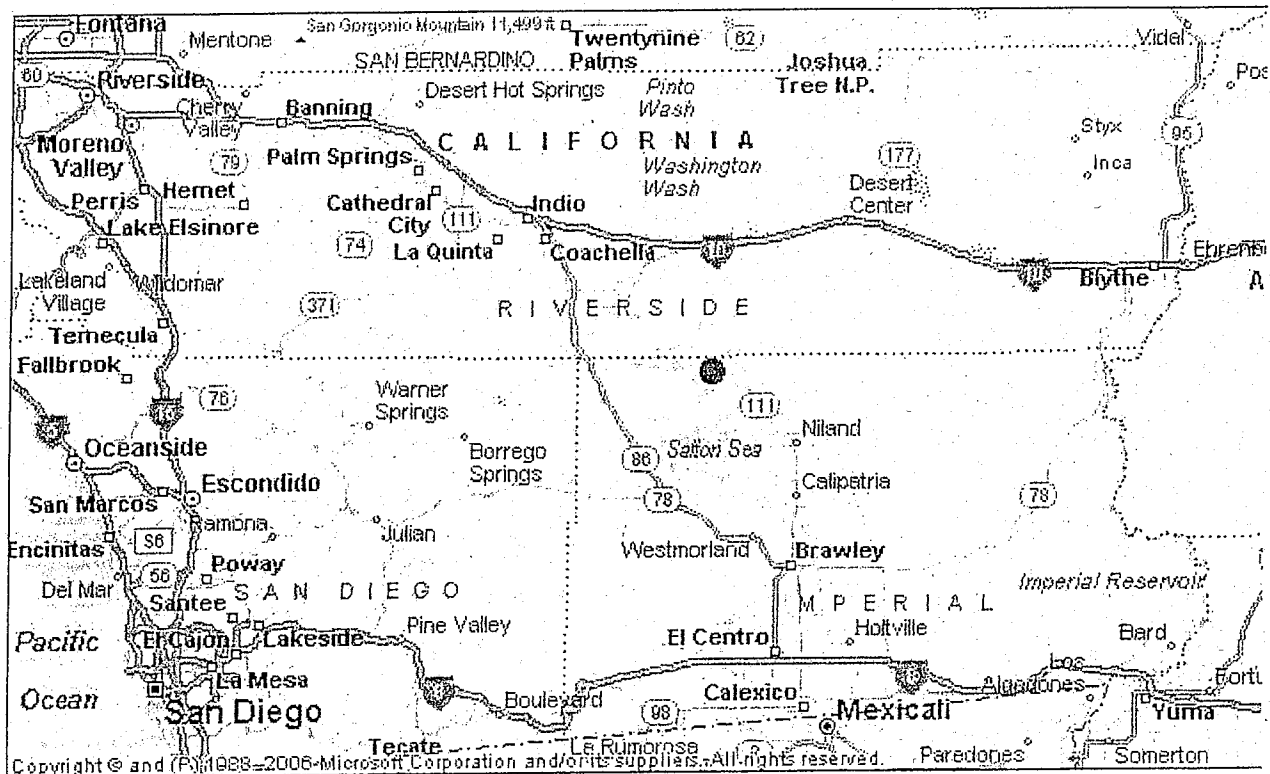
Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature	Horizontal Wind Speed
Manufacturer/Model				
Serial Number	A205080906	TS16702	16694	S310M
POC				
Data For Record?	No	No	No	No
Purpose				
Objective				
Scale				
Height Above Ground	5.0	10.0	2.0	10.0
Height Above Platform	2.0			
Sampler Spacing				
Current Manual Available?	Yes	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available	Not Available
Obstacle Description	None	None	None	None
Distance to Obstacle	-	-	-	-
Height Above Inlet	-	-	-	-
Distance to Walls, etc.	-	-	-	-
Distance to Dripline	-	-	-	-
Dominant Influence	Vehicular			
Residence Time (sec)				

Monitor Type	Horizontal Wind Speed	Horizontal Wind Speed
Manufacturer/Model		
Serial Number	S31M	S32M
POC		
Data For Record?	No	No
Purpose		
Objective		
Scale		
Height Above Ground	1.0	1.0
Height Above Platform		
Sampler Spacing		
Current Manual Available?	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes
In-line Filter Change Date	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available
Calibration Current?	Yes	Yes
Calibration Date	2009-09-24	2009-09-24
Cal. Equipment Cert. Date	Not Available	Not Available
Obstacle Description	None	None
Distance to Obstacle	-	-
Height Above Inlet	-	-
Distance to Walls, etc.	-	-
Distance to Dripline	-	-
Dominant Influence		
Residence Time (sec)		

Site Information for Bombay Beach

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	13601	Not Available	0

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
A St. & 3rd St., Bombay Beach CA 92257	<u>Imperial</u>	<u>Salton Sea</u>	33° 21' 9"	115° 44' 4"	-67m

Pollutants Monitored

TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

Site Survey Report

Siting Information

Site Name: Sonny Bono	Audit Date: 2010-03-23	ARB Number: 13602	AIRS Number: None
Address: 906 W Sinclair Rd. Calipatria, CA 92233	Latitude: 33° 10' 35"	Longitude: 115° 37' 23"	Elevation (m): -66m
	Auditors: Chris Deidrick Don Fitzell	Site Technician: Johathan Barroga	Site Phone:
Operating Agency:		Site Report: Yes	Site Photos: Yes

General Siting Conditions

<div>Station Temperature</div> <div>Controlled: Yes</div> <div>Recorded: Yes</div> <div>Inside Temp: 25 Degrees Celsius</div>	<div>Traffic</div> <div>Description: Rural</div> <div>Distance: 0 meters</div> <div>Count (Veh/Day): 0</div>	<div>Topography</div> <div>Site: Level</div> <div>Region: Level</div>	Predominant Wind Direction: Northwest	
			Arc Air Flow (Deg): 360 Degrees	
			Probe Clean: N/A	
		<div>Meteorology</div> <div>Located With Instruments: Yes</div> <div>Shadowing: No</div> <div>Boom Orientation (Deg): N/A</div> <div>Temp(Motor/Natural): Motor</div>	<div>Non-vehicular Local Sources</div> <div>Description: None</div> <div>Distance: N/A</div> <div>Direction: N/A</div>	QA Manual
Approved: Yes	Cleaning Schedule: N/A			
	Agency: Imperial County			Autocalibrator Type: N/A
Urbanization: Remote	Site Survey Complete: Yes			
Ground Cover: Dirt	Logbook Up To Date: Yes			

Action Items

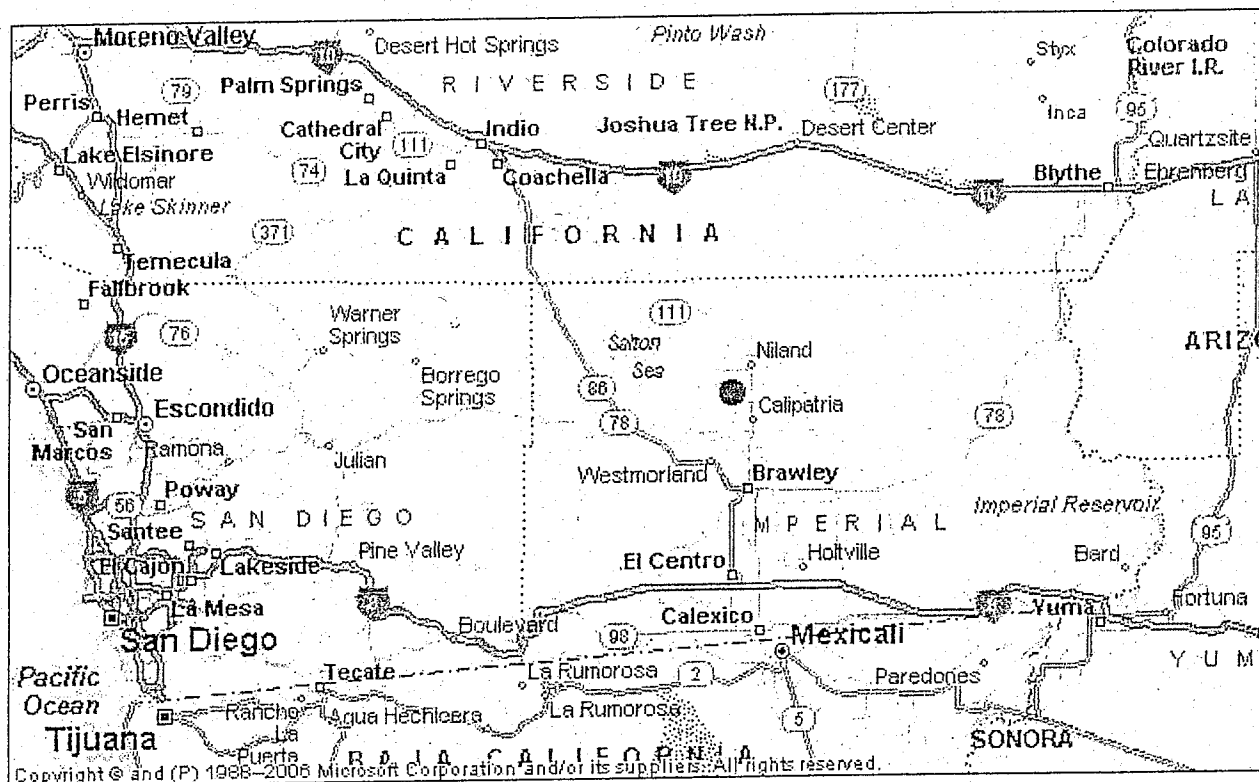
Comments

Site Survey Report (Cont.)

Monitor Type		Outdoor Temperature	Outdoor Temperature
Manufacturer/Model			
Serial Number	A205070906	16697	16704
POC			
Data For Record?	No	No	No
Purpose			
Objective	UNKNOWN		
Scale			
Height Above Ground	5.0	2.0	10.0
Height Above Platform	2.0		
Sampler Spacing			
Current Manual Available?	Yes	Yes	Yes
Instrument Log Up-to-date?	Yes	Yes	Yes
In-line Filter Change Date	Not Available	Not Available	Not Available
Cal. Gas Cert. Date	Not Available	Not Available	Not Available
Calibration Current?	Yes	Yes	Yes
Calibration Date	2009-09-14	2009-07-16	2009-07-16
Cal. Equipment Cert. Date	Not Available	Not Available	Not Available
Obstacle Description	None	None	None
Distance to Obstacle	-	-	-
Height Above Inlet	-	-	-
Distance to Walls, etc.	-	-	-
Distance to Dripline	-	-	-
Dominant Influence	Agriculture		
Residence Time (sec)			

Site Information for Sonny Bono

This page last reviewed on June 17, 2010



AIRS Number	ARB Number	Site Start Date	Reporting Agency and Agency Code
None	13602	Not Available	0

Site Address	County	Air Basin	Latitude (N)	Longitude (W)	Elevation
906 W Sinclair Rd., Calipatria CA 92233	Imperial	Salton Sea	33° 10' 35"	115° 37' 23"	-66m

Pollutants Monitored

TEOM, Outdoor Temperature, Wind Direction, Horizontal Wind Speed

APPENDIX A

Regulatory language of 40 CFR 58.10

§ 58.10 Annual monitoring network plan and periodic network assessment.

(a)(1) Beginning July 1, 2007, the State, or where applicable local, agency shall adopt and submit to the Regional Administrator an annual monitoring network plan which shall provide for the establishment and maintenance of an air quality surveillance system that consists of a network of SLAMS monitoring stations including FRM, FEM, and ARM monitors that are part of SLAMS, NCore stations, STN stations, State speciation stations, SPM stations, and/or, in serious, severe and extreme ozone nonattainment areas, PAMS stations, and SPM monitoring stations. The plan shall include a statement of purposes for each monitor and evidence that siting and operation of each monitor meets the requirements of appendices A, C, D, and E of this part, where applicable. The annual monitoring network plan must be made available for public inspection for at least 30 days prior to submission to EPA.

(2) Any annual monitoring network plan that proposes SLAMS network modifications including new monitoring sites is subject to the approval of the EPA Regional Administrator, who shall provide opportunity for public comment and shall approve or disapprove the plan and schedule within 120 days. If the State or local agency has already provided a public comment opportunity on its plan and has made no changes subsequent to that comment opportunity, the Regional Administrator is not required to provide a separate opportunity for comment.

(3) The plan for establishing required NCore multi-pollutant stations shall be submitted to the Administrator not later than July 1, 2009. The plan shall provide for all required stations to be operational by January 1, 2011.

(b) The annual monitoring network plan must contain the following information for each existing and proposed site:

- (1) The AQS site identification number.
- (2) The location, including street address and geographical coordinates.
- (3) The sampling and analysis method(s) for each measured parameter.
- (4) The operating schedules for each monitor.

(5) Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal.

(6) The monitoring objective and spatial scale of representativeness for each monitor as defined in appendix D to this part.

(7) The identification of any sites that are suitable and sites that are not suitable for comparison against the annual PM_{2.5}NAAQS as described in §58.30.

(8) The MSA, CBSA, CSA or other area represented by the monitor.

(c) The annual monitoring network plan must document how States and local agencies provide for the review of changes to a PM_{2.5} monitoring network that impact the location of a violating PM_{2.5} monitor or the creation/change to a community monitoring zone, including a description of the proposed use of spatial averaging for purposes of making comparisons to the annual PM_{2.5} NAAQS as set forth in appendix N to part 50 of this chapter. The affected State or local agency must document the process for obtaining public comment and include any comments received through the public notification process within their submitted plan.

(d) The State, or where applicable local, agency shall perform and submit to the EPA Regional Administrator an assessment of the air quality surveillance system every 5 years to determine, at a minimum, if the network meets the monitoring objectives defined in appendix D to this part, whether new sites are needed, whether existing sites are no longer needed and can be terminated, and whether new technologies are appropriate for incorporation into the ambient air monitoring network. The network assessment must consider the ability of existing and proposed sites to support air quality characterization for areas with relatively high populations of susceptible individuals (e.g., children with asthma), and, for any sites that are being proposed for discontinuance, the effect on data users other than the agency itself, such as nearby States and Tribes or health effects studies. For PM_{2.5}, the assessment also must identify needed changes to population-oriented sites. The State, or where applicable local, agency must submit a copy of this 5-year assessment, along with a revised annual network plan, to the Regional Administrator. The first assessment is due July 1, 2010.

(e) All proposed additions and discontinuations of SLAMS monitors in annual monitoring network plans and periodic network assessments are subject to approval according to §58.14.

Glossary of Acronyms

AQS	Air quality system
ARB	Air Resources Board
ARM	Approved regional method
BAM	Beta Attenuation Mass Monitor
CARB	California Air Resources Board
CFR	Code of Federal Regulations
CO	Carbon monoxide
CVWD	Coachella Valley Water District
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FEM	Federal equivalent method
FRM	Federal reference method
HCP	Habitat Conservation Plan
ICAPCD	Imperial County Air Pollution Control District
IID	Imperial Irrigation District
MSA	Metropolitan Statistical Area
MWD	Metropolitan Water District of Southern California
NAAQS	National ambient air quality standard
NCore	National core ambient monitoring network
NO ₂	Nitrogen dioxide
O ₃	Ozone
PAMS	Photochemical assessment monitoring sites
PM ₁₀	Particulate Matter less than 10 microns in diameter
PM _{2.5}	Particulate Matter less than 2.5 microns in diameter

PMc	Particulate Matter Coarse
ppm	parts per million
SDAPCD	San Diego Air Pollution Control District
SDCWA	San Diego County Water Authority
SIP	State implementation plan
SLAMS	State and Local Air Monitoring Station
SO ₂	Sulfur dioxide
SPM	Special Purpose Monitor
SSAQMN	Salton Sea Air Quality Monitoring Network
SSI	Size Selective Inlet
STN	Speciation trends network
TEOM	Tapered Element Oscillating Microbalance Instrument
USEPA	United States Environmental Protection Agency

PROOF OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

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**Imperial County Air Pollution Control District
Annual Network Plan and 5-year Network Assessment for Am-
bient Air Monitoring**

In compliance with federal regulation, the Imperial County Air Pollution Control District has completed work on the 2010 Annual Network Plan and 5-year Network Assessment for Ambient Air Monitoring. The plan provides a description of ambient air quality monitors located in Imperial County and includes a plan for actions over the next 12 months and the assessment provides detailed evaluation of the monitoring network to meet objectives and requirements for the next 5 years.

Federal regulations require that the Annual Network Plan for Ambient Air Monitoring be reviewed annually to identify and need for additions, changes, relocations or terminations of monitoring sites. The public review period for this document will end 30 days after the publication of this notice and any changes will be incorporated prior to submittal to U.S. EPA.

Hard copies of this document are available at the ICAPCD at 150 S. 9th St., El Centro, CA 92243.

If you have any comments or questions about the plan and network assessment, please contact Jesus A. Ramirez, APC Division Manager, at (760) 482-4606.
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